

# 12/380,780 | RALEP007 [26WV-160488]: AUTOMATED DEVICE PROVISIONING AND ACTIVATION

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Application #	Confirmation #	Attorney Docket #	Patent #	Filing or 371 (c) date	Status
12/380,780	1775	RALEP007 [26WV-160488]	<a href="#">8,839,388</a> <a href="#">Download PDF</a> <a href="#">Text</a>	03/02/2009	Patented Case 08/27/2014
			Issued - 09/16/2014		

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## Continuity

### Parent data

Application #	Description	Parent application #	Filing or 371 (c) date	Status	Patent #	AIA
<a href="#">12/380,780</a>	Claims priority from a provisional application	<a href="#">61/206,354</a>	01/28/2009	Expired	--	-
<a href="#">12/380,780</a>	Claims priority from a provisional application	<a href="#">61/206,944</a>	02/04/2009	Expired	--	-
<a href="#">12/380,780</a>	Claims priority from a provisional application	<a href="#">61/207,393</a>	02/10/2009	Expired	--	-
<a href="#">12/380,780</a>	Claims priority from a provisional application	<a href="#">61/207,739</a>	02/13/2009	Expired	--	-

### Child data

Application #	Filing or 371 (c) date	Status	Patent #	AIA	Description	Parent application #
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,065</a>	11/20/2015	Patented	<a href="#">10028144</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/158,526</a>	05/18/2016	Patented	<a href="#">10492102</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/694,813</a>	11/25/2019	Patented	<a href="#">11363496</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/287,576</a>	10/06/2016	Patented	<a href="#">10064033</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/256,593</a>	04/18/2014	Patented	<a href="#">8948025</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/673,625</a>	03/30/2015	Patented	<a href="#">9179359</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/687,698</a>	04/15/2015	Patented	<a href="#">9198075</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/688,725</a>	04/16/2015	Patented	<a href="#">9198076</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/689,512</a>	04/17/2015	Patented	<a href="#">9521578</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
15/624,697	06/15/2017	Abandoned	-	-	is a Continuation in-part of	12/380,780
<a href="#">16/654,295</a>	10/16/2019	Patented	<a href="#">11218854</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/867,597</a>	07/18/2022	Patented	<a href="#">12166596</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,667</a>	07/20/2022	Patented	<a href="#">12401984</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/088,450</a>	12/23/2022	Patented	<a href="#">11985155</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/747,091</a>	06/18/2024	Patented	<a href="#">12149370</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/670,315</a>	03/26/2015	Patented	<a href="#">9215159</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/369,542</a>	12/05/2016	Patented	<a href="#">10237757</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/867,607</a>	07/18/2022	Patented	<a href="#">11832117</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/802,483</a>	03/13/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/088,165</a>	03/24/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/567,594</a>	01/03/2022	Patented	<a href="#">12200786</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/927,424</a>	07/13/2020	Patented	<a href="#">11563592</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/088,479</a>	12/23/2022	Patented	<a href="#">12445319</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/479,719</a>	04/05/2017	Patented	<a href="#">10248996</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/073,367</a>	12/01/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/534,397</a>	12/08/2023	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/039,717</a>	01/28/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/712,184</a>	12/12/2012	Patented	<a href="#">8639935</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/668,829</a>	03/25/2015	Patented	<a href="#">9173104</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">16/421,121</a>	05/23/2019	Patented	<a href="#">11096055</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">16/436,628</a>	06/10/2019	Patented	<a href="#">11228617</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">18/946,594</a>	11/13/2024	Pending	-	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/802,483</a>	03/13/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/034,362</a>	07/13/2018	Patented	<a href="#">10694385</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">17/099,157</a>	11/16/2020	Patented	<a href="#">11665592</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/604,106</a>	03/13/2024	Patented	<a href="#">12488090</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">12/694,451</a>	01/27/2010	Patented	<a href="#">8548428</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/229,580</a>	09/09/2011	Patented	<a href="#">8626115</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/685,511</a>	04/13/2015	Patented	<a href="#">9215613</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/220,184</a>	07/26/2016	Patented	<a href="#">9674731</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/416,377</a>	01/26/2017	Patented	<a href="#">9954975</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">15/958,378</a>	04/20/2018	Patented	<a href="#">10681179</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/272,114</a>	02/11/2019	Patented	<a href="#">10749700</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/234,220</a>	04/19/2021	Patented	<a href="#">12309024</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/567,581</a>	01/03/2022	Patented	<a href="#">12143909</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/088,458</a>	12/23/2022	Patented	<a href="#">12452377</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">90/019,644</a>	08/30/2024	Reexamination certificate issued	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/305,229</a>	08/20/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,028</a>	05/25/2011	Patented	<a href="#">8589541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/673,625</a>	03/30/2015	Patented	<a href="#">9179359</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/689,504</a>	04/17/2015	Patented	<a href="#">9258735</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">14/689,512</a>	04/17/2015	Patented	<a href="#">9521578</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/220,184</a>	07/26/2016	Patented	<a href="#">9674731</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/958,430</a>	04/20/2018	Patented	<a href="#">10462627</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/216,479</a>	12/11/2018	Patented	<a href="#">10798254</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/694,813</a>	11/25/2019	Patented	<a href="#">11363496</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/578,124</a>	12/19/2014	Patented	<a href="#">9565707</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/802,483</a>	03/13/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/681,730</a>	08/21/2017	Patented	<a href="#">10715342</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/353,176</a>	03/14/2019	Patented	<a href="#">10783581</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/026,549</a>	09/21/2020	Patented	<a href="#">11538106</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
17/344,009	06/10/2021	Abandoned	-	-	is a Continuation in-part of	12/380,780

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<a href="#">PCT/US10/22438</a>	01/28/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/461,141</a>	05/01/2012	Patented	<a href="#">8406733</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/151,769</a>	01/09/2014	Patented	<a href="#">8886162</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/678,417</a>	11/15/2012	Patented	<a href="#">8631102</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">15/427,837</a>	02/08/2017	Patented	<a href="#">10321318</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/885,194</a>	09/13/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/903,993</a>	10/01/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/305,071</a>	08/20/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/656,620</a>	10/19/2012	Patented	<a href="#">8630617</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/037,321</a>	09/25/2013	Patented	<a href="#">9565543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,028</a>	05/25/2011	Patented	<a href="#">8589541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">12/695,020</a>	01/27/2010	Patented	<a href="#">8406748</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/687,715</a>	04/15/2015	Patented	<a href="#">9749899</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/688,713</a>	04/16/2015	Patented	<a href="#">9271184</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/446,291</a>	03/01/2017	Patented	<a href="#">10171681</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/426,786</a>	05/30/2019	Patented	<a href="#">11190427</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/747,944</a>	06/19/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">90/019,643</a>	08/30/2024	Reexamination certificate issued	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/948,022</a>	11/14/2024	Pending	-	Yes	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/283,054</a>	07/28/2025	Pending	-	Yes	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/229,580</a>	09/09/2011	Patented	<a href="#">8626115</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/426,786</a>	05/30/2019	Patented	<a href="#">11190427</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/379,606</a>	10/12/2023	Patented	<a href="#">12289621</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/699,746</a>	09/08/2017	Patented	<a href="#">10326800</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/802,483</a>	03/13/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/473,137</a>	08/29/2014	Patented	<a href="#">9591474</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/213,612</a>	12/07/2018	Patented	<a href="#">10798558</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/099,157</a>	11/16/2020	Patented	<a href="#">11665592</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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15/177,962	06/09/2016	Abandoned	-	-	is a Continuation in-part of	12/380,780
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/287,603</a>	10/06/2016	Patented	<a href="#">10080250</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/534,415</a>	12/08/2023	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">PCT/US10/22273</a>	01/27/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/705,055</a>	12/04/2012	Patented	<a href="#">8667571</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/867,347</a>	04/22/2013	Patented	<a href="#">8737957</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/870,939</a>	04/25/2013	Patented	<a href="#">8570908</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/896,065</a>	05/16/2013	Patented	<a href="#">8797908</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/665,235</a>	03/23/2015	Patented	<a href="#">9179316</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/667,516</a>	03/24/2015	Patented	<a href="#">9198117</a>	No	is a Continuation of	<a href="#">12/380,780</a>

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14/959,808	12/04/2015	Abandoned	-	-	is a Continuation of	12/380,780
<a href="#">15/217,538</a>	07/22/2016	Patented	<a href="#">9491564</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">17/401,635</a>	08/13/2021	Patented	<a href="#">11757943</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/134,028</a>	05/25/2011	Patented	<a href="#">8589541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,028</a>	05/25/2011	Patented	<a href="#">8589541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/473,137</a>	08/29/2014	Patented	<a href="#">9591474</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">90/019,892</a>	03/31/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/674,808</a>	11/12/2012	Patented	<a href="#">8634821</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/283,028</a>	07/28/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/588,965</a>	08/17/2012	Patented	<a href="#">8868455</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">15/400,768</a>	01/06/2017	Patented	<a href="#">10237146</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/106,648</a>	11/30/2020	Patented	<a href="#">11750477</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/221,339</a>	07/12/2023	Patented	<a href="#">12095632</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
19/424,975	12/18/2025	Pending	-	No	is a Continuation in-part of	12/380,780
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/541,493</a>	11/14/2014	Patented	<a href="#">9392462</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/541,628</a>	11/14/2014	Patented	<a href="#">9706061</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/676,704</a>	04/01/2015	Patented	<a href="#">9143976</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/287,597</a>	10/06/2016	Patented	<a href="#">10064055</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/586,118</a>	05/03/2017	Patented	<a href="#">10326675</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/977,713</a>	05/11/2018	Patented	<a href="#">10484858</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/895,427</a>	06/08/2020	Patented	<a href="#">11516301</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/019,957</a>	09/14/2020	Patented	<a href="#">11533642</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/101,442</a>	11/23/2020	Patented	<a href="#">11923995</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/971,941</a>	10/24/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">90/019,610</a>	08/05/2024	Reexamination certificate issued	-	Yes	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/952,374</a>	11/25/2015	Patented	<a href="#">9986413</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/541,493</a>	11/14/2014	Patented	<a href="#">9392462</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/158,522</a>	05/18/2016	Patented	<a href="#">9980146</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/595,583</a>	10/08/2019	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/299,098</a>	08/13/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/229,580</a>	09/09/2011	Patented	<a href="#">8626115</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,028</a>	09/28/2011	Patented	<a href="#">8924469</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/416,351</a>	01/26/2017	Patented	<a href="#">10171990</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/093,535</a>	11/09/2020	Patented	<a href="#">11589216</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/162,469</a>	05/23/2016	Patented	<a href="#">10200541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/213,800</a>	12/07/2018	Patented	<a href="#">10798252</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">PCT/US10/21302</a>	01/18/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">PCT/US10/22269</a>	01/27/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/456,139</a>	04/25/2012	Patented	<a href="#">8478667</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/742,317</a>	01/15/2013	Patented	<a href="#">8640198</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/667,353</a>	03/24/2015	Patented	<a href="#">9232403</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">12/694,445</a>	01/27/2010	Patented	<a href="#">8391834</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/833,684</a>	06/06/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/867,585</a>	07/18/2022	Patented	<a href="#">11966464</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/210,619</a>	07/14/2016	Patented	<a href="#">10070305</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/975,560</a>	10/27/2022	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">12/695,021</a>	01/27/2010	Patented	<a href="#">8346225</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/677,788</a>	04/02/2015	Patented	<a href="#">9154428</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/684,033</a>	04/10/2015	Patented	<a href="#">9277445</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/685,506</a>	04/13/2015	Patented	<a href="#">9319913</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/687,707</a>	04/15/2015	Patented	<a href="#">9749898</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/689,504</a>	04/17/2015	Patented	<a href="#">9258735</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/952,374</a>	11/25/2015	Patented	<a href="#">9986413</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/977,731</a>	05/11/2018	Patented	<a href="#">10771980</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/216,479</a>	12/11/2018	Patented	<a href="#">10798254</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/008,031</a>	08/31/2020	Patented	<a href="#">11665186</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
17/344,009	06/10/2021	Abandoned	-	-	is a Continuation in-part of	12/380,780

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">17/536,397</a>	11/29/2021	Patented	<a href="#">12432130</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/299,098</a>	08/13/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/366,368</a>	10/22/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">12/695,980</a>	01/28/2010	Patented	<a href="#">8340634</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/229,580</a>	09/09/2011	Patented	<a href="#">8626115</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/473,137</a>	08/29/2014	Patented	<a href="#">9591474</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/272,098</a>	02/11/2019	Patented	<a href="#">10791471</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/473,137</a>	08/29/2014	Patented	<a href="#">9591474</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/158,526</a>	05/18/2016	Patented	<a href="#">10492102</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/236,134</a>	12/28/2018	Patented	<a href="#">10834577</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/063,047</a>	10/05/2020	Patented	<a href="#">11582593</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/088,416</a>	12/23/2022	Patented	<a href="#">12543031</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/737,748</a>	01/09/2013	Patented	<a href="#">9198042</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">PCT/US10/22240</a>	01/27/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/457,385</a>	04/26/2012	Patented	<a href="#">8385916</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/866,955</a>	04/19/2013	Abandoned	-	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/866,963</a>	04/19/2013	Patented	<a href="#">8695073</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/263,604</a>	04/28/2014	Patented	<a href="#">9037127</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/663,248</a>	03/19/2015	Patented	<a href="#">9179315</a>	No	is a Continuation of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/678,632</a>	04/03/2015	Patented	<a href="#">9204374</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">15/239,398</a>	08/17/2016	Patented	<a href="#">9641957</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">17/342,136</a>	06/08/2021	Patented	<a href="#">11757942</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">17/577,237</a>	01/17/2022	Patented	<a href="#">12184700</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/247,998</a>	09/28/2011	Patented	<a href="#">8725123</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/907,887</a>	06/22/2020	Patented	<a href="#">11405429</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/742,190</a>	05/11/2022	Patented	<a href="#">12389217</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/833,684</a>	06/06/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/680,943</a>	04/07/2015	Patented	<a href="#">9386121</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/779,605</a>	07/22/2024	Patented	<a href="#">12524788</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/969,784</a>	12/05/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/718,917</a>	12/18/2012	Patented	<a href="#">9247450</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/670,315</a>	03/26/2015	Patented	<a href="#">9215159</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/684,051</a>	04/10/2015	Patented	<a href="#">9198074</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/160,520</a>	05/20/2016	Patented	<a href="#">9973930</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/227,814</a>	08/03/2016	Patented	<a href="#">9647918</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/958,430</a>	04/20/2018	Patented	<a href="#">10462627</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/977,766</a>	05/11/2018	Patented	<a href="#">10237773</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/274,405</a>	02/13/2019	Patented	<a href="#">11039020</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/063,336</a>	10/05/2020	Patented	<a href="#">11570309</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/089,864</a>	03/25/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/903,993</a>	10/01/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/473,137</a>	08/29/2014	Patented	<a href="#">9591474</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/976,170</a>	05/10/2018	Patented	<a href="#">10716006</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/703,620</a>	05/04/2015	Patented	<a href="#">9769207</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/426,251</a>	05/30/2019	Patented	<a href="#">11190545</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

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<a href="#">18/102,629</a>	01/27/2023	Patented	<a href="#">12389218</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
19/437,874	12/31/2025	Pending	-	No	is a Continuation in-part of	12/380,780
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/158,526</a>	05/18/2016	Patented	<a href="#">10492102</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/833,684</a>	06/06/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/274,405</a>	02/13/2019	Patented	<a href="#">11039020</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/678,410</a>	11/15/2012	Patented	<a href="#">8630611</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/742,312</a>	01/15/2013	Patented	<a href="#">8639811</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">15/582,350</a>	04/28/2017	Patented	<a href="#">10321320</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/229,580</a>	09/09/2011	Patented	<a href="#">8626115</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/218,721</a>	12/13/2018	Patented	<a href="#">10841839</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/869,696</a>	07/20/2022	Patented	<a href="#">11973804</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/158,206</a>	01/17/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/804,983</a>	02/28/2020	Patented	<a href="#">11337059</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/593,164</a>	08/23/2012	Patented	<a href="#">8527630</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/612,073</a>	02/02/2015	Patented	<a href="#">9544397</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">16/272,198</a>	02/11/2019	Patented	<a href="#">10855559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/063,176</a>	10/05/2020	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/718,952</a>	12/18/2012	Patented	<a href="#">9204282</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/960,284</a>	12/04/2015	Patented	<a href="#">9942796</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/158,522</a>	05/18/2016	Patented	<a href="#">9980146</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/946,405</a>	04/05/2018	Patented	<a href="#">10985977</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/976,170</a>	05/10/2018	Patented	<a href="#">10716006</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/927,387</a>	07/13/2020	Patented	<a href="#">12388810</a>	Yes	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/993,012</a>	08/13/2020	Patented	<a href="#">11405224</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/630,537</a>	04/09/2024	Patented	<a href="#">12294602</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/182,221</a>	04/17/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/283,039</a>	07/28/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/315,091</a>	08/29/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/718,936</a>	12/18/2012	Patented	<a href="#">8630630</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,028</a>	05/25/2011	Patented	<a href="#">8589541</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/082,040</a>	11/15/2013	Patented	<a href="#">9609544</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/338,807</a>	07/23/2014	Patented	<a href="#">9094311</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/676,704</a>	04/01/2015	Patented	<a href="#">9143976</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/428,891</a>	02/09/2017	Patented	<a href="#">10264138</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/446,291</a>	03/01/2017	Patented	<a href="#">10171681</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/035,403</a>	09/28/2020	Patented	<a href="#">11425580</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/551,809</a>	11/24/2014	Patented	<a href="#">9572019</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/833,684</a>	06/06/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/132,643</a>	09/17/2018	Patented	<a href="#">10536983</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/748,152</a>	01/23/2013	Patented	<a href="#">9557889</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/331,282</a>	09/17/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/428,891</a>	02/09/2017	Patented	<a href="#">10264138</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/457,389</a>	04/26/2012	Patented	<a href="#">8396458</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">13/852,933</a>	03/28/2013	Patented	<a href="#">8635678</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">14/979,233</a>	12/22/2015	Patented	<a href="#">9532161</a>	No	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">90/019,753</a>	12/03/2024	Pending	-	No	is a Continuation of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/239,321</a>	09/21/2011	Patented	<a href="#">8898293</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/275,805</a>	05/12/2014	Patented	<a href="#">9578182</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/136,255</a>	04/18/2023	Patented	<a href="#">12120551</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">90/019,892</a>	03/31/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/134,005</a>	05/25/2011	Patented	<a href="#">8635335</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/147,394</a>	01/03/2014	Patented	<a href="#">9026079</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">12/694,455</a>	01/27/2010	Patented	<a href="#">8402111</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/118,374</a>	08/30/2018	Patented	<a href="#">10582375</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/682,915</a>	04/09/2015	Patented	<a href="#">9225797</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/280,922</a>	09/29/2016	Patented	<a href="#">10057141</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/694,813</a>	11/25/2019	Patented	<a href="#">11363496</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/718,936</a>	12/18/2012	Patented	<a href="#">8630630</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/083,324</a>	11/18/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/156,428</a>	01/15/2014	Patented	<a href="#">9532261</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/675,113</a>	03/31/2015	Patented	<a href="#">9137701</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/688,704</a>	04/16/2015	Patented	<a href="#">9277433</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/839,530</a>	08/28/2015	Patented	<a href="#">9220027</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/415,022</a>	01/25/2017	Patented	<a href="#">9955332</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/428,891</a>	02/09/2017	Patented	<a href="#">10264138</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/625,257</a>	06/16/2017	Patented	<a href="#">9866642</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/681,726</a>	08/21/2017	Patented	<a href="#">10848330</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/217,705</a>	12/12/2018	Patented	<a href="#">10779177</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/595,583</a>	10/08/2019	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/970,436</a>	10/20/2022	Patented	<a href="#">12137004</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/903,986</a>	10/01/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">90/019,968</a>	05/21/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/802,483</a>	03/13/2013	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,527</a>	12/05/2013	Patented	<a href="#">9270559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/340,270</a>	07/24/2014	Patented	<a href="#">9491199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/253,013</a>	10/04/2011	Patented	<a href="#">8745191</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/374,959</a>	01/24/2012	Patented	<a href="#">8606911</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/102,436</a>	12/10/2013	Patented	<a href="#">9253663</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/685,506</a>	04/13/2015	Patented	<a href="#">9319913</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/681,726</a>	08/21/2017	Patented	<a href="#">10848330</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/833,684</a>	06/06/2022	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/088,587</a>	03/24/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">19/315,091</a>	08/29/2025	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">13/237,827</a>	09/20/2011	Patented	<a href="#">8832777</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/248,025</a>	09/28/2011	Patented	<a href="#">8924543</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/292,282</a>	05/30/2014	Patented	<a href="#">9386165</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/536,541</a>	11/29/2021	Patented	<a href="#">11968234</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/604,151</a>	03/13/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/441,821</a>	04/06/2012	Patented	<a href="#">9755842</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">15/446,279</a>	03/01/2017	Patented	<a href="#">10171988</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/218,721</a>	12/13/2018	Patented	<a href="#">10841839</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/885,194</a>	09/13/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,463</a>	12/01/2011	Patented	<a href="#">8793758</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/842,172</a>	03/15/2013	Patented	<a href="#">9858559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/947,099</a>	07/21/2013	Patented	<a href="#">10057775</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/339,110</a>	07/23/2014	Patented	<a href="#">9705771</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>

<b>Application #</b>	<b>Filing or 371 (c) date</b>	<b>Status</b>	<b>Patent #</b>	<b>AIA</b>	<b>Description</b>	<b>Parent application #</b>
<a href="#">14/272,274</a>	05/07/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">17/121,717</a>	12/14/2020	Patented	<a href="#">11477246</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/384,772</a>	10/27/2023	Patented	<a href="#">12184702</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/941,310</a>	07/12/2013	Patented	<a href="#">8745220</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/948,082</a>	11/20/2015	Patented	<a href="#">10165447</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/740,625</a>	01/13/2020	Patented	<a href="#">11219074</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">18/968,336</a>	12/04/2024	Pending	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/214,492</a>	03/14/2014	Abandoned	-	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">16/214,902</a>	12/10/2018	Patented	<a href="#">10869199</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">13/309,556</a>	12/01/2011	Patented	<a href="#">8893009</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/181,910</a>	02/17/2014	Patented	<a href="#">9571559</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">14/098,523</a>	12/05/2013	Patented	<a href="#">9351193</a>	No	is a Continuation in-part of	<a href="#">12/380,780</a>
<a href="#">PCT/US10/22235</a>	01/27/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">PCT/US10/22238</a>	01/27/2010	Published	-	-	is a Continuation of	<a href="#">12/380,780</a>
<a href="#">15/211,430</a>	07/15/2016	Patented	<a href="#">9615192</a>	No	is a Continuation of	<a href="#">12/380,780</a>