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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 | |
| | Filing Date | December 14, 2021 | |
| | First Named Inventor | Cooper, Matthew John | |
| | Art Unit | Not yet assigned | |
| <i>(Multiple sheets used when necessary)</i> | | Examiner | Not yet assigned |
| SHEET 4 OF 33 | | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|-------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 88 | 10,567,674 | 2/18/2020 | Kirsch | |
| | 89 | 10,568,570 | 2/25/2020 | Sherpa et al. | |
| | 90 | 10,572,717 | 2/25/2020 | Zhu et al. | |
| | 91 | 10,574,905 | 2/25/2020 | Srikanth et al. | |
| | 92 | 10,579,058 | 3/3/2020 | Oh et al. | |
| | 93 | 10,579,063 | 3/3/2020 | Haynes et al. | |
| | 94 | 10,579,897 | 3/3/2020 | Redmon et al. | |
| | 95 | 10,586,280 | 3/10/2020 | McKenna et al. | |
| | 96 | 10,591,914 | 3/17/2020 | Palanisamy et al. | |
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| | 98 | 10,599,701 | 3/24/2020 | Liu | |
| | 99 | 10,599,930 | 3/24/2020 | Lee et al. | |
| | 100 | 10,599,958 | 3/24/2020 | He et al. | |
| | 101 | 10,606,990 | 3/31/2020 | Tuli et al. | |
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| | 104 | 10,621,513 | 4/14/2020 | Deshpande et al. | |
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| | 108 | 10,628,688 | 4/21/2020 | Kim et al. | |
| | 109 | 10,629,080 | 4/21/2020 | Kazemi et al. | |
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| | 113 | 10,645,344 | 5/5/2020 | Marman et al. | |
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| | 115 | 10,650,071 | 5/12/2020 | Asgekar et al. | |
| | 116 | 10,652,565 | 5/12/2020 | Zhang et al. | |

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T¹ - Place a check mark in this area when an English language Translation is attached. Perceptive Exhibit 2003

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| | 117 | 10,656,657 | 5/19/2020 | Djuric et al. | |
| | 118 | 10,657,391 | 5/19/2020 | Chen et al. | |
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| | 146 | 10,733,482 | 8/4/2020 | Lee et al. | |
| | 147 | 10,733,638 | 8/4/2020 | Jain et al. | |
| | 148 | 10,733,755 | 8/4/2020 | Liao et al. | |
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| | 165 | 10,769,525 | 9/8/2020 | Redding et al. | |
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| | 170 | 10,783,381 | 9/22/2020 | Yu et al. | |
| | 171 | 10,783,454 | 9/22/2020 | Shoaib et al. | |
| | 172 | 10,789,402 | 9/29/2020 | Vemuri et al. | |
| | 173 | 10,789,544 | 9/29/2020 | Fiedel et al. | |
| | 174 | 10,790,919 | 9/29/2020 | Kolen et al. | |

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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 175 | 10,796,221 | 10/6/2020 | Zhang et al. | |
| | 176 | 10,796,355 | 10/6/2020 | Price et al. | |
| | 177 | 10,796,423 | 10/6/2020 | Goja | |
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| | 182 | 10,805,629 | 10/13/2020 | Liu et al. | |
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| | 184 | 10,810,445 | 10/20/2020 | Kangaspunta | |
| | 185 | 10,816,346 | 10/27/2020 | Wheeler et al. | |
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| | 190 | 10,824,122 | 11/3/2020 | Mummadi et al. | |
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| | 196 | 10,832,418 | 11/10/2020 | Karasev et al. | |
| | 197 | 10,833,785 | 11/10/2020 | O'Shea et al. | |
| | 198 | 10,836,379 | 11/17/2020 | Xiao et al. | |
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| | 200 | 10,839,230 | 11/17/2020 | Charette et al. | |
| | 201 | 10,839,578 | 11/17/2020 | Coppersmith et al. | |
| | 202 | 10,843,628 | 11/24/2020 | Kawamoto et al. | |
| | 203 | 10,845,820 | 11/24/2020 | Wheeler | |

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| | 204 | 10,845,943 | 11/24/2020 | Ansari et al. | |
| | 205 | 10,846,831 | 11/24/2020 | Raduta | |
| | 206 | 10,846,888 | 11/24/2020 | Kaplanyan et al. | |
| | 207 | 10,853,670 | 12/1/2020 | Sholingar et al. | |
| | 208 | 10,853,739 | 12/1/2020 | Truong et al. | |
| | 209 | 10,860,919 | 12/8/2020 | Kanazawa et al. | |
| | 210 | 10,860,924 | 12/8/2020 | Burger | |
| | 211 | 10,867,444 | 12/15/2020 | Russell et al. | |
| | 212 | 10,871,444 | 12/22/2020 | Al et al. | |
| | 213 | 10,871,782 | 12/22/2020 | Milstein et al. | |
| | 214 | 10,872,204 | 12/22/2020 | Zhu et al. | |
| | 215 | 10,872,254 | 12/22/2020 | Mangla et al. | |
| | 216 | 10,872,326 | 12/22/2020 | Garner | |
| | 217 | 10,872,531 | 12/22/2020 | Liu et al. | |
| | 218 | 10,885,083 | 1/5/2021 | Moeller-Bertram et al. | |
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| | 220 | 10,890,898 | 1/12/2021 | Akella et al. | |
| | 221 | 10,891,715 | 1/12/2021 | Li | |
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| | 225 | 10,896,763 | 1/19/2021 | Kempanna et al. | |
| | 226 | 10,901,416 | 1/26/2021 | Khanna et al. | |
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| | 233 | 10,915,783 | 2/9/2021 | Hallman et al. | |
| | 234 | 10,917,522 | 2/9/2021 | Segalis et al. | |
| | 235 | 10,921,817 | 2/16/2021 | Kangasputna | |
| | 236 | 10,922,578 | 2/16/2021 | Banerjee et al. | |
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| | 262 | 2018-0012411 | 1/11/2018 | Richey et al. | |
| | 263 | 2018-0018590 | 1/18/2018 | Szeto et al. | |
| | 264 | 2018-0039853 | 2/8/2018 | Liu et al. | |
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| | 291 | 2019-0122111 | 4/25/2019 | Min et al. | |
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| Examiner Signature | Date Considered |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 12 OF 33 | Attorney Docket No. | TSLA.483CI |

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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 320 | 2019-0258878 | 8/22/2019 | Koivisto et al. | |
| | 321 | 2019-0266418 | 8/29/2019 | Xu et al. | |
| | 322 | 2019-0266610 | 8/29/2019 | GHATAGE et al. | |
| | 323 | 2019-0272446 | 9/5/2019 | Kangaspunta et al. | |
| | 324 | 2019-0276041 | 9/12/2019 | CHOI et al. | |
| | 325 | 2019-0279004 | 9/12/2019 | Kwon et al. | |
| | 326 | 2019-0286652 | 9/19/2019 | Habbecke et al. | |
| | 327 | 2019-0286972 | 9/19/2019 | El Hussein et al. | |
| | 328 | 2019-0287028 | 9/19/2019 | St Amant et al. | |
| | 329 | 2019-0289281 | 9/19/2019 | Badrinarayanan et al. | |
| | 330 | 2019-0294177 | 9/26/2019 | Kwon et al. | |
| | 331 | 2019-0294975 | 9/26/2019 | Sachs | |
| | 332 | 2019-0311290 | 10/10/2019 | Huang et al. | |
| | 333 | 2019-0318099 | 10/17/2019 | Carvalho et al. | |
| | 334 | 2019-0325088 | 10/24/2019 | Dubey et al. | |
| | 335 | 2019-0325266 | 10/24/2019 | Klepper et al. | |
| | 336 | 2019-0325269 | 10/24/2019 | Bagherinezhad et al. | |
| | 337 | 2019-0325580 | 10/24/2019 | Lukac et al. | |
| | 338 | 2019-0325595 | 10/24/2019 | Stein et al. | |
| | 339 | 2019-0329790 | 10/31/2019 | Nandakumar et al. | |
| | 340 | 2019-0332875 | 10/31/2019 | Vallespi-Gonzalez et al. | |
| | 341 | 2019-0333232 | 10/31/2019 | Vallespi-Gonzalez et al. | |
| | 342 | 2019-0336063 | 11/7/2019 | Dascalu | |
| | 343 | 2019-0339989 | 11/7/2019 | LIANG et al. | |
| | 344 | 2019-0340462 | 11/7/2019 | Pao et al. | |
| | 345 | 2019-0340492 | 11/7/2019 | Burger et al. | |
| | 346 | 2019-0340499 | 11/7/2019 | Burger et al. | |
| | 347 | 2019-0347501 | 11/14/2019 | Kim et al. | |
| | 348 | 2019-0349571 | 11/14/2019 | Herman et al. | |

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| Examiner Signature | Date Considered |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 13 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|------------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 349 | 2019-0354782 | 11/21/2019 | Kee et al. | |
| | 350 | 2019-0354786 | 11/21/2019 | Lee et al. | |
| | 351 | 2019-0354808 | 11/21/2019 | Park et al. | |
| | 352 | 2019-0354817 | 11/21/2019 | Shiens et al. | |
| | 353 | 2019-0354850 | 11/21/2019 | Watson et al. | |
| | 354 | 2019-0370398 | 12/5/2019 | HE et al. | |
| | 355 | 2019-0370575 | 12/5/2019 | Nandakumar et al. | |
| | 356 | 2019-0370935 | 12/5/2019 | CHANG et al. | |
| | 357 | 2019-0373322 | 12/5/2019 | Rojas-Echenique et al. | |
| | 358 | 2019-0377345 | 12/12/2019 | Bachrach et al. | |
| | 359 | 2019-0377965 | 12/12/2019 | Totolos et al. | |
| | 360 | 2019-0378049 | 12/12/2019 | Widmann et al. | |
| | 361 | 2019-0378051 | 12/12/2019 | Widmann et al. | |
| | 362 | 2019-0382007 | 12/19/2019 | Casas et al. | |
| | 363 | 2019-0384303 | 12/19/2019 | Muller et al. | |
| | 364 | 2019-0384304 | 12/19/2019 | Towal et al. | |
| | 365 | 2019-0384309 | 12/19/2019 | Silva et al. | |
| | 366 | 2019-0384994 | 12/19/2019 | Frossard et al. | |
| | 367 | 2019-0385048 | 12/19/2019 | Cassidy et al. | |
| | 368 | 2019-0385360 | 12/19/2019 | Yang et al. | |
| | 369 | 2020-0004259 | 1/2/2020 | Gulino et al. | |
| | 370 | 2020-0004351 | 1/2/2020 | Marchant et al. | |
| | 371 | 2020-0012936 | 1/9/2020 | LEE et al. | |
| | 372 | 2020-0017117 | 1/16/2020 | Milton | |
| | 373 | 2020-0025931 | 1/23/2020 | Liang et al. | |
| | 374 | 2020-0026282 | 1/23/2020 | CHOE et al. | |
| | 375 | 2020-0026283 | 1/23/2020 | BARNES et al. | |
| | 376 | 2020-0026992 | 1/23/2020 | Zhang et al. | |
| | 377 | 2020-0027210 | 1/23/2020 | Haemel et al. | |

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| Examiner Signature | Date Considered |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 14 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|-------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 378 | 2020-0033858 | 1/30/2020 | Xiao | |
| | 379 | 2020-0033865 | 1/30/2020 | MELLINGER et al. | |
| | 380 | 2020-0034665 | 1/30/2020 | GHANTA et al. | |
| | 381 | 2020-0034710 | 1/30/2020 | Sidhu et al. | |
| | 382 | 2020-0036948 | 1/30/2020 | Song | |
| | 383 | 2020-0039520 | 2/6/2020 | Misu et al. | |
| | 384 | 2020-0051550 | 2/13/2020 | Baker | |
| | 385 | 2020-0060757 | 2/27/2020 | BEN-HAIM et al. | |
| | 386 | 2020-0065711 | 2/27/2020 | Clément et al. | |
| | 387 | 2020-0065879 | 2/27/2020 | Hu et al. | |
| | 388 | 2020-0069973 | 3/5/2020 | Lou et al. | |
| | 389 | 2020-0073385 | 3/5/2020 | Jobanputra et al. | |
| | 390 | 2020-0074230 | 3/5/2020 | Englard et al. | |
| | 391 | 2020-0086880 | 3/19/2020 | Poeppel et al. | |
| | 392 | 2020-0089243 | 3/19/2020 | Poeppel et al. | |
| | 393 | 2020-0089969 | 3/19/2020 | Lakshmi et al. | |
| | 394 | 2020-0090056 | 3/19/2020 | SINGHAL et al. | |
| | 395 | 2020-0097841 | 3/26/2020 | Petousis et al. | |
| | 396 | 2020-0098095 | 3/26/2020 | Borcs et al. | |
| | 397 | 2020-0103894 | 4/2/2020 | Cella et al. | |
| | 398 | 2020-0104705 | 4/2/2020 | Bhowmick et al. | |
| | 399 | 2020-0110416 | 4/9/2020 | Hong et al. | |
| | 400 | 2020-0117180 | 4/16/2020 | Cella et al. | |
| | 401 | 2020-0117889 | 4/16/2020 | Laput et al. | |
| | 402 | 2020-0117916 | 4/16/2020 | LIU | |
| | 403 | 2020-0117917 | 4/16/2020 | Yoo | |
| | 404 | 2020-0118035 | 4/16/2020 | ASAWA et al. | |
| | 405 | 2020-0125844 | 4/23/2020 | She et al. | |
| | 406 | 2020-0125845 | 4/23/2020 | Hess et al. | |

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| Examiner Signature | Date Considered |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 15 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|----------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 407 | 2020-0126129 | 4/23/2020 | Lkhamsuren et al. | |
| | 408 | 2020-0134427 | 4/30/2020 | OH et al. | |
| | 409 | 2020-0134461 | 4/30/2020 | Chai et al. | |
| | 410 | 2020-0134466 | 4/30/2020 | Weintraub et al. | |
| | 411 | 2020-0134848 | 4/30/2020 | EI-Khamy et al. | |
| | 412 | 2020-0143231 | 5/7/2020 | FUSI et al. | |
| | 413 | 2020-0143279 | 5/7/2020 | WEST et al. | |
| | 414 | 2020-0148201 | 5/14/2020 | King et al. | |
| | 415 | 2020-0149898 | 5/14/2020 | Felip et al. | |
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| | 417 | 2020-0151619 | 5/14/2020 | MOPUR et al. | |
| | 418 | 2020-0151692 | 5/14/2020 | Gao et al. | |
| | 419 | 2020-0158822 | 5/21/2020 | Owens et al. | |
| | 420 | 2020-0158869 | 5/21/2020 | Amirloo et al. | |
| | 421 | 2020-0159225 | 5/21/2020 | Zeng et al. | |
| | 422 | 2020-0160064 | 5/21/2020 | Wang et al. | |
| | 423 | 2020-0160104 | 5/21/2020 | Urtasun et al. | |
| | 424 | 2020-0160117 | 5/21/2020 | Urtasun et al. | |
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| | 426 | 2020-0160532 | 5/21/2020 | Urtasun et al. | |
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| | 428 | 2020-0160559 | 5/21/2020 | Urtasun et al. | |
| | 429 | 2020-0160598 | 5/21/2020 | Manivasagam et al. | |
| | 430 | 2020-0162489 | 5/21/2020 | Bar-Nahum et al. | |
| | 431 | 2020-0167438 | 5/28/2020 | Herring | |
| | 432 | 2020-0167554 | 5/28/2020 | WANG et al. | |
| | 433 | 2020-0174481 | 6/4/2020 | Van Heukelom et al. | |
| | 434 | 2020-0175326 | 6/4/2020 | Shen et al. | |
| | 435 | 2020-0175354 | 6/4/2020 | Volodarskiy et al. | |

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| Examiner Signature | Date Considered |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 16 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|--------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 436 | 2020-0175371 | 6/4/2020 | Kursun | |
| | 437 | 2020-0175401 | 6/4/2020 | Shen | |
| | 438 | 2020-0183482 | 6/11/2020 | Sebot et al. | |
| | 439 | 2020-0184250 | 6/11/2020 | OKO | |
| | 440 | 2020-0184333 | 6/11/2020 | OH | |
| | 441 | 2020-0192389 | 6/18/2020 | ReMine et al. | |
| | 442 | 2020-0193313 | 6/18/2020 | GHANTA et al. | |
| | 443 | 2020-0193328 | 6/18/2020 | GUESTRIN et al. | |
| | 444 | 2020-0202136 | 6/25/2020 | Shrestha et al. | |
| | 445 | 2020-0202196 | 6/25/2020 | Guo et al. | |
| | 446 | 2020-0209857 | 7/2/2020 | Djuric et al. | |
| | 447 | 2020-0209867 | 7/2/2020 | Valois et al. | |
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| | 453 | 2020-0218722 | 7/9/2020 | MAI et al. | |
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| | 458 | 2020-0226430 | 7/16/2020 | Ahuja et al. | |
| | 459 | 2020-0238998 | 7/30/2020 | Dasalukunte et al. | |
| | 460 | 2020-0242381 | 7/30/2020 | CHAO et al. | |
| | 461 | 2020-0242408 | 7/30/2020 | Kim et al. | |
| | 462 | 2020-0242511 | 7/30/2020 | KALE et al. | |
| | 463 | 2020-0245869 | 8/6/2020 | Sivan et al. | |
| | 464 | 2020-0249685 | 8/6/2020 | Elluswamy et al. | |

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| Examiner Signature | Date Considered |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 17 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|--------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 465 | 2020-0250456 | 8/6/2020 | WANG et al. | |
| | 466 | 2020-0250515 | 8/6/2020 | Rifkin et al. | |
| | 467 | 2020-0250874 | 8/6/2020 | Assouline et al. | |
| | 468 | 2020-0257301 | 8/13/2020 | Weiser et al. | |
| | 469 | 2020-0257306 | 8/13/2020 | NISENZON | |
| | 470 | 2020-0258057 | 8/13/2020 | FARAHAT et al. | |
| | 471 | 2020-0265247 | 8/20/2020 | Musk et al. | |
| | 472 | 2020-0272160 | 8/27/2020 | Djuric et al. | |
| | 473 | 2020-0272162 | 8/27/2020 | Hasselgren et al. | |
| | 474 | 2020-0272859 | 8/27/2020 | Iashyn et al. | |
| | 475 | 2020-0273231 | 8/27/2020 | Schied et al. | |
| | 476 | 2020-0279354 | 9/3/2020 | KLAIMAN | |
| | 477 | 2020-0279364 | 9/3/2020 | Sarkisian et al. | |
| | 478 | 2020-0279371 | 9/3/2020 | WENZEL et al. | |
| | 479 | 2020-0285464 | 9/10/2020 | Brebner | |
| | 480 | 2020-0286256 | 9/10/2020 | Houts et al. | |
| | 481 | 2020-0293786 | 9/17/2020 | JIA et al. | |
| | 482 | 2020-0293796 | 9/17/2020 | Sajjadi et al. | |
| | 483 | 2020-0293828 | 9/17/2020 | Wang et al. | |
| | 484 | 2020-0293905 | 9/17/2020 | HUANG et al. | |
| | 485 | 2020-0294162 | 9/17/2020 | Shah, | |
| | 486 | 2020-0294257 | 9/17/2020 | Yoo et al. | |
| | 487 | 2020-0294310 | 9/17/2020 | Lee et al. | |
| | 488 | 2020-0297237 | 9/24/2020 | Tamersoy et al. | |
| | 489 | 2020-0298891 | 9/24/2020 | Liang et al. | |
| | 490 | 2020-0301799 | 9/24/2020 | Manivasagam et al. | |
| | 491 | 2020-0302276 | 9/24/2020 | Yang et al. | |
| | 492 | 2020-0302291 | 9/24/2020 | HONG | |
| | 493 | 2020-0302627 | 9/24/2020 | Duggal et al. | |

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| Examiner Signature | Date Considered |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 18 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|-----------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 494 | 2020-0302662 | 9/24/2020 | Homayounfar et al. | |
| | 495 | 2020-0304441 | 9/24/2020 | Bradley et al. | |
| | 496 | 2020-0306640 | 10/1/2020 | Kolen et al. | |
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| | 504 | 2020-0315708 | 10/8/2020 | MOSNIER et al. | |
| | 505 | 2020-0320132 | 10/8/2020 | Neumann, | |
| | 506 | 2020-0324073 | 10/15/2020 | Rajan et al. | |
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| | 508 | 2020-0327443 | 10/15/2020 | VAN et al. | |
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| | 510 | 2020-0327662 | 10/15/2020 | LIU et al. | |
| | 511 | 2020-0327667 | 10/15/2020 | Arbel et al. | |
| | 512 | 2020-0331476 | 10/22/2020 | Chen et al. | |
| | 513 | 2020-0334416 | 10/22/2020 | Vianu et al. | |
| | 514 | 2020-0334495 | 10/22/2020 | Al et al. | |
| | 515 | 2020-0334501 | 10/22/2020 | LIN et al. | |
| | 516 | 2020-0334551 | 10/22/2020 | Javidi et al. | |
| | 517 | 2020-0334574 | 10/22/2020 | Ishida | |
| | 518 | 2020-0337648 | 10/29/2020 | Saripalli et al. | |
| | 519 | 2020-0341466 | 10/29/2020 | Pham et al. | |
| | 520 | 2020-0342350 | 10/29/2020 | Madar et al. | |
| | 521 | 2020-0342548 | 10/29/2020 | Mazed et al. | |
| | 522 | 2020-0342652 | 10/29/2020 | Rowell et al. | |

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| Examiner Signature | Date Considered |
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| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 19 OF 33 | Attorney Docket No. | TSLA.483CI |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|-----------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 523 | 2020-0348909 | 11/5/2020 | Das Sarma et al. | |
| | 524 | 2020-0350063 | 11/5/2020 | Thornton et al. | |
| | 525 | 2020-0351438 | 11/5/2020 | DEWHURST et al. | |
| | 526 | 2020-0356107 | 11/12/2020 | Wells | |
| | 527 | 2020-0356790 | 11/12/2020 | Jaipuria et al. | |
| | 528 | 2020-0356864 | 11/12/2020 | Neumann | |
| | 529 | 2020-0356905 | 11/12/2020 | Luk et al. | |
| | 530 | 2020-0361083 | 11/19/2020 | Mousavian et al. | |
| | 531 | 2020-0361485 | 11/19/2020 | ZHU et al. | |
| | 532 | 2020-0364481 | 11/19/2020 | KORNIENKO et al. | |
| | 533 | 2020-0364508 | 11/19/2020 | Gurel et al. | |
| | 534 | 2020-0364540 | 11/19/2020 | Elsayed et al. | |
| | 535 | 2020-0364746 | 11/19/2020 | Longano et al. | |
| | 536 | 2020-0364953 | 11/19/2020 | Simoudis, | |
| | 537 | 2020-0372362 | 11/26/2020 | KIM | |
| | 538 | 2020-0372402 | 11/26/2020 | Kursun et al. | |
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| | 541 | 2020-0393841 | 12/17/2020 | Frisbie et al. | |
| | 542 | 2020-0394421 | 12/17/2020 | YU et al. | |
| | 543 | 2020-0394457 | 12/17/2020 | Brady | |
| | 544 | 2020-0394495 | 12/17/2020 | MOUDGILL et al. | |
| | 545 | 2020-0394813 | 12/17/2020 | Theverapperuma et al. | |
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| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 20 OF 33 | Attorney Docket No. | TSLA.483CI |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 21 OF 33 | Attorney Docket No. | TSLA.483C1 |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
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| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 23 OF 33 | Attorney Docket No. | TSLA.483CI |

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Perceptive Exhibit 2003
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 24 OF 33 | Attorney Docket No. | TSLA.483CI |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 25 OF 33 | Attorney Docket No. | TSLA.483CI |

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| Examiner Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
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| Examiner Signature | Date Considered |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 17/644308 |
| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 26 OF 33 | Attorney Docket No. | TSLA.483CI |

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| Examiner Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
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| | 667 | CN110751280A | 2/4/2020 | Univ Huazhong Science Tech | | X-abstract |
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| | 673 | CN111047225A | 4/21/2020 | DBG Tech Co Ltd | | X-abstract |
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| SHEET 27 OF 33 | Attorney Docket No. | TSLA.483CI |

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| | 715 | CN112308095A | 2/2/2021 | SF Tech Co Ltd | | X-abstract |
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| Examiner Signature | Date Considered |
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| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 29 OF 33 | Attorney Docket No. | TSLA.483CI |

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| | Filing Date | December 14, 2021 |
| | First Named Inventor | Cooper, Matthew John |
| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
| SHEET 30 OF 33 | Attorney Docket No. | TSLA.483CI |

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| | Art Unit | Not yet assigned |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Not yet assigned |
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