

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7242875

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JVCKENWOOD CORPORATION	02/28/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVANCED CODING TECHNOLOGIES LLC
<b>Street Address:</b>	104 EAST HOUSTON STREET
<b>Internal Address:</b>	SUITE 140
<b>City:</b>	MARSHALL
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75670
<b>PROPERTY NUMBERS Total: 33</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13631114
Patent Number:	8090025
Patent Number:	9100664
Patent Number:	6845128
Patent Number:	8446966
Patent Number:	8670654
Patent Number:	7292782
Patent Number:	8131135
Patent Number:	8260122
Patent Number:	6683989
Patent Number:	6940911
Patent Number:	7860170
Patent Number:	9445041
Patent Number:	7941030
Patent Number:	8615154
Patent Number:	8824545
Patent Number:	10218995
Patent Number:	9042448
Patent Number:	8139150

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PATENT  
REEL: 059497 FRAME: 0108Google  
Exhibit 1053  
Google v. Advanced Coding  
IPR2025-01277, -01278  
Ex. 1053-001

Property Type	Number
Patent Number:	8750632
Patent Number:	9635388
Patent Number:	7283722
Patent Number:	8005347
Patent Number:	8649667
Patent Number:	9313244
Patent Number:	9986303
Patent Number:	7804891
Patent Number:	9480089
Patent Number:	8230101
Patent Number:	8316042
Patent Number:	9002878
Patent Number:	8023585
Patent Number:	9094650

**CORRESPONDENCE DATA**

**Fax Number:**

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<b>ATTORNEY DOCKET NUMBER:</b>	ADVANCED CODING TECHNOLOG
<b>NAME OF SUBMITTER:</b>	VINCENT J. RUBINO
<b>SIGNATURE:</b>	/Vincent J. Rubino/
<b>DATE SIGNED:</b>	03/24/2022

**Total Attachments: 17**

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**PATENT  
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**PATENT**  
**REEL: 059497 FRAME: 0110**

**EXHIBIT A**

**PATENTS & APPLICATIONS**

Twenty-Seven (27) patent families, including any divisional, continuation, continuation-in-part, reissue, reexamination, utility model, foreign counterpart, parent or extension of any patent or application included in this Exhibit, any patents or patent applications whose priority is based upon such patents and patent applications, and any patents that have been named in any terminal disclaimer of any patent included in this Exhibit are listed below:

	<b>US Patent No.</b>	<b>Issued Counterparts Patent No.</b>	<b>Pending Counterparts Application No.</b>	<b>Abandoned, Withdrawn &amp; PCTs</b>	<b>Application Numbers &amp; Publication Numbers &amp; Priority Numbers</b>
1	-	CN 102918842B KR 10-1419634	EP 2557791 A1	JP 2011234337 JP 2011234338 JP 2013225927 JP 2013232967 KR 10-2014-0017018 US 2013/0064299 WO/2011/125299	Application: CN 201180026733.7 EP 11765201.6 JP 2010-088528 JP 2010-088529 JP 2010-217754 JP 2010-217755 JP 2013-141542 JP 2013-141543 KR 10-2012-7029274 KR 10-2014-7000905 US 13/631114 PCT/JP2011/001690  Publication: CN 102918842A EP 2557791 JP 2011234337 JP 2011234338 JP 2013225927 JP 2013232967 KR 10-2013-0009833 KR 10-2014-0017018 US 2013/0064299 WO/2011/125299

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
2	US 8,090,025	JP 4844449	-	-	Application: JP 2006-112995 JP 2007-093162 US 11/787623  Publication: JP 2007312362 US 2007/0268968
3	US 9,100,664	CN 102640496B JP 5321426	-	DE 112010004586 WO/2011/064990	Application: CN 201080053749.2 DE 112010004586.0 JP 2009-268988 US 13/481440 PCT/JP2010/006853  Publication: CN 102640496A DE 112010004586 JP 2011114572 US 2012/0300840 WO/2011/064990
4	US 6,845,128	-	-	JP 2002238053 JP 03991596	Application: JP 2001-033401 JP 2001-033403 US 10/067815  Publication: JP 2002238053 JP 2002238052 US 2002/0110191

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
5	US 8,446,966	-	-	JP 04285396 JP 2004-333558 US 10/980195 US 12/585585	Application: JP 2004-012277 JP 2004-333558 US 10/980195 US 12/585585 US 13/064586  Publication: JP 2005236955 US 2005/0157796 US 2010/0014591 US 2011/0182368
6	US 8,670,654	JP 5464125 JP 5494520	-	JP 2010-243214 PCT/JP2011/073541	Application: JP 2010-243213 JP 2010-243214 JP 2011-025246 US 13/879823 PCT/JP2011/073541  Publication: JP 2012099878 JP 2012099879 JP 2012165268 US 2013/0202266 WO/2012/056896

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
7	US 7,292,782				Application: EP 01122623.0 JP 2000-293737 JP 2000-293738 JP 2001-162343 JP 2002-156042 JP 2004-099757 JP 2004-099758 JP 2004-099759
8	US 8,131,135	-	-	EP 1193983 JP3721971B2 JP3721972B2 JP 2003052012 JP 2004266846 JP 2004266847 JP 2004229323	US 09/961298 US 11/898251 US 11/898253  Publication: EP 1193983 JP 2002112182 JP 2002112183 JP 2003052012 JP 2004266846 JP 2004266847 JP 2004229323
9	US 8,260,122 <sup>TD</sup>				US 2002/0037161 US 2008/0044156 US 2008/0044157

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
10	US 6,683,989	-	-	EP 1067797	Application: EP 00113032.7 JP 2004-379541 JP H11-180598 US 09/599396  Publication: EP 1067797 JP 2005137023 JP 2001016580
11	US 6,940,911	-	-	JP 2001258039 JP 03859118 JP 04035808	Application: JP 2000-069973 JP 2000-255170 JP 2000-255171 US 09/805255 US 11/178386  Publication: JP 2001258039 JP 2002077910 JP 2002077918 US 2001/0036230 US 2005/0243923
12	US 7,860,170	-	-		
13	US 9,445,041	-	-	JP 2014082731	Application: JP 2012-212025 JP 2012-288402 US 14/141238  Publication: JP 2014082731 US 2014/0186006

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
14	US 7,941,030	CN 100479511C	-	CN101404171B EP 1613075 JP4906344B2 JP 2004891204 JP 2010061803 WO/2004/091204	Application: CN 200480009080.1 CN 200810149921.9 EP 04725479.2 JP 2003-101236 JP 2003-101237 JP 2003-101238 JP 2003-417551 JP 2005-505271 JP 2009-282710 US 10/551766 PCT/JP2004/004857  Publication: CN 1768529A CN 101404171A EP 1613075 JP 2004891204 JP 2010061803 US 2006/0140575 WO/2004/091204
15	US 8,615,154	JP 5304774	-	-	Application: JP 2010-274081 US 13/313434  Publication: JP 2012124723 US 2012/0148208

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
16	US 8,824,545	CN 102217312B EP 2487910 B1 DE 602010025104.7 JP 5257319 KR 10-1237181	-	WO/2011/043013	Application: CN 201080003191.7 DE 10821691.2 EP 10821691.2 JP 2009-235060 KR 10-2011-7014945 US 13/260025 PCT/JP2010/004727  Publication: CN 102217312A DE 02487910 EP 2487910 JP 2011082896 KR 10-2011-0091032 US 2012/0014430 WO/2011/043013
17	US 10,218,995	CN 102084657B JP 5369893	-	WO/2009/145271	Application: CN 200980120077.X JP 2008-142433 JP 2009-123960 US 12/995039 US 14/692138 PCT/JP2009/059801  Publication: CN 102084657A JP 2010011448 US 2011/0075734 US 2015/0229942 WO/2009/145271
18	US 9,042,448				

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
19	US 8,139,150	JP 4793366	-	-	Application: JP 2006-279364 JP 2006-354878 JP 2007-261773 US 11/907188  Publication: JP 2008182669 US 2008/0089428

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
20	US 8,750,632	EP 2384000 B1 DE 602009019548.4 GB 2384000 JP 4821846 KR 10-11260613	-	CN102265617A JP 2010157821 JP 2010157822 JP 2010157823 JP 2010157824 JP 2010157826 WO/2010/073513	Application: CN 200980152847.9 DE 09834328.8 EP 09834328.8 GB 09834328.8 JP 2008-333854 JP 2008-333855 JP 2008-333856 JP 2008-333857 JP 2008-333858 JP 2008-333859 KR 10-2011-7017466 US 13/142188 PCT/JP2009/006715  Publication: CN102265617A DE 02384000 EP 2384000 GB 02384000 JP 2010157821 JP 2010157822 JP 2010157823 JP 2010157824 JP 2010157825 JP 2010157826 KR 10-2011-0098858 US 2011/0255796 WO/2010/073513

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
21	US 9,635,388	JP 6003803	-	-	Application: JP 2013-107894 US 14/283131  Publication: JP 2014230068 US 2014/0348226
22	US 7,283,722	CN 1249998C EP 1280345 B1 DE 60240850.4 JP 4003000B2	-	FR 1280345 GB 1280345	Application: CN 02140939.0 DE 02255029.7 EP 02255029.7 FR 02255029.7 GB 02255029.7 JP 2001-219421 JP 2002-145776 US 10/193877  Publication: CN 1399267A DE 01280345 EP 1280345 FR 1280345 GB 1280345 JP 2003101923 US 2003/0016944

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
23	US 8,005,347	CN 1897140B CN 102737673B JP 4752980 JP 4697074 JP 4725440 KR10-10742190	-	JP 2007049687	Application: CN 200610101881.1 CN 201210212069.1 JP 2005-204962 JP 2006-188202 JP 2006-188208 JP 2006-188214 JP 2011-010654 KR 2006-0065917 US 11/484755 US 13/181567  Publication: CN 1897140A CN 102737673A JP 2007049687 JP 2007048423 JP 2007048424 JP 2011100543 KR 2007-0008463 US 2007/0014547 US 2011/0268421
24	US 8,649,667 <sup>TD</sup>				
25	US 9,313,244	JP 6142488	-	JP 2017126347	Application: JP 2012-201412 JP 2017-021996 US 14/026179  Publication: JP 2014056137 JP 2017126347 US 2014/0075044

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
26	US 9,986,303	JP 6354262	-	-	Application: JP 2014-071975 US 14/657359  Publication: JP 2015195474 US 2015/0281691
27	US 7,804,891	CN 1961521B JP 4287778 RU2383999	-	EP 1732258 DE 05728392T1 WO/2005/096537	Application: CN 200580017664.8 EP 05728392.1 JP 2004-108399 RU 2006138232 US 10/594985 PCT/JP2005/006704  Publication: CN 1961521A EP 1732258 JP 2005295277 US 2007/0217494 WO/2005/096537
28	US 9,480,089	JP 6323170	-	-	Application: JP 2014-110448 US 14/704644  Publication: JP 2015226218 US 2015/0350939

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
29	US 8,230,101	CN 101627628B	-	EP 2129118 DE 07738088T1 WO/2008/108002	Application: CN 200780051973.6 EP 07738088.9 US 12/527777 PCT/JP2007/054603  Publication: CN 101627628A EP 2129118 US 2010/0121911 WO/2008/108002
30	US 8,316,042	CN 101911073B JP 5369439	-	EP 2244193 JP 2009199371 WO/2009/088066	Application: CN 200980102025.X EP 09700247.1 JP 2008-004607 JP 2008-040734 US 12/812085 US 13/672094 PCT/JP2009/050193  Publication: CN 101911073A EP 2244193 JP 2009171039 JP 2009199371 US 2010/0281048 US 2013/0132513 WO/2009/088066
31	US 9,002,878 <sup>TD</sup>				

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
32	US 8,023,585	CN 1902849B EP 1701463 B1 DE 602004040879.4 FR 1701463 GB 1701463 JP 4388366 RU 2372731	-	WO/2005/064838	Application: CN 200480039141.9 DE 04808071.7 EP 04808071.7 FR 04808071.7 GB 04808071.7 JP 2003-435638 RU 2006127037 US 10/582615 PCT/JP2004/019721  Publication: CN 1902849A DE 1701463 EP 1701463 FR 1701463 GB 1701463 JP 2005197830 US 2007/0160163 WO/2005/064838

	US Patent No.	Issued Counterparts Patent No.	Pending Counterparts Application No.	Abandoned, Withdrawn & PCTs	Application Numbers & Publication Numbers & Priority Numbers
33	US 9,094,650	CN 102835103B EP 2560380 B1 DE 602011045197.9 JP 5729241 JP 5765264 KR 10-11424625	-	WO/2012/070180	<p>Application:            CN 201180018564.2            DE 11843988.4            EP 11843988.4            JP 2010-261776            JP 2010-261777            JP 2010-261778            JP 2011-213494            JP 2012-037045            KR 2012-7026494            US 13/615005            PCT/JP2011/005665</p> <p>Publication:            CN 102835103A            DE 2560380            EP 2560380            JP 2012129980            JP 2012130060            KR 2012-0128157            US 2013/0007619            WO/2012/070180</p>

**EXHIBIT B**  
**TRANSFER DOCUMENT FOR USPTO RECORDING**

This patent assignment (“**Assignment**”) is entered into as of 2/28/22 (the “**Effective Date**”) by the between **JVCKENWOOD Corporation**, a Japanese corporation having a place of business 3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan (“**Assignor**”), and Advanced Coding Technologies LLC, a Texas based entity having a principal place of business at 104 East Houston Street Suite 140 Marshall TX 75670 USA (“**Assignee**”), all of Assignor’s right, title, and interest in and to the following (collectively, the “**Assigned Patent Rights**”):

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby irrevocably sell, assign, transfer, and convey to Assignee, as the Effective Date, all of the Assignor’s right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in:


- (a) the patents and patent applications and any terminally disclaimed to or from such patents (U.S. or Foreign) (the “**Patents**”) solely owned by Assignor and expressly identified on Exhibit A, together with;
- (b) future applications for patents under U.S. law or regulation or of any foreign country with respect to the patentable inventions filed by Assignee from which any of the foregoing arise, including without limitation, divisions, continuations, continuations-in-part, substitutions, reexaminations, reissues, extensions , continuing prosecution application, requests for continuing examinations, registrations of any of the Patents and foreign counterparts therefrom (collectively, “**Assigned Patents**”);
- (c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and
- (d) all causes of action, enforcement rights, and remedies of any kind arising under any such Assigned Patent prior to, on or after the Effective Date of this Agreement and/or any of the items described in either of the foregoing categories (b) or (c ) , including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current, and future infringement and all claims for damages by reason of past, present or future infringement or other unauthorized use of such Assigned Patents with the right to sue for and collect such damages.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

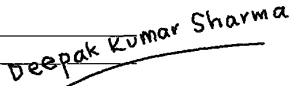
Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights.

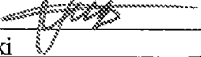
IN WITNESS WHEREOF, Assignor has caused its duly authorized representatives to execute this Assignment.

**JVCKENWOOD Corporation ("the Assignor")**

By:   
Name: Sumiko Nakai  
Title: General Manager, Intellectual Property Department  
Date: February 28, 2022

**ADVANCED CODING TECHNOLOGIES LLC ("THE ASSIGNEE")**

By:   
Name: Deepak Sharma  
Title: Managing Director  
Date: February 28, 2022

Witnessed By:   
Name: Shuji Suzuki  
Title: Deputy Senior Manager, Intellectual Property Department  
JVCKENWOOD Corporation  
Date: February 28, 2022