

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6567169

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
HP PRINTING KOREA CO., LTD.	02/18/2021

**RECEIVING PARTY DATA**

<b>Name:</b>	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
<b>Street Address:</b>	10300 ENERGY DRIVE
<b>City:</b>	SPRING
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77389

**PROPERTY NUMBERS Total: 15**

Property Type	Number
Application Number:	17040872
Application Number:	17051867
Application Number:	17050140
Application Number:	17047219
Application Number:	17050667
Application Number:	17050676
Application Number:	17047534
Application Number:	17059592
Application Number:	17050136
Application Number:	17051081
Application Number:	17050068
Application Number:	17050337
Application Number:	17051084
Application Number:	17050158
Application Number:	17051267

**CORRESPONDENCE DATA**

Fax Number: (970)778-4063

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: (541)360-4450

**Email:** ipa.mail@hp.com  
**Correspondent Name:** HP INC.  
**Address Line 1:** 3390 E. HARMONY ROAD MS 35  
**Address Line 4:** FORT COLLINS, COLORADO 80528

**NAME OF SUBMITTER:** SUNMYUNG KIM

**SIGNATURE:** /Sunmyung Kim/

**DATE SIGNED:** 02/23/2021

**Total Attachments: 9**

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**CONFIRMATORY PATENT ASSIGNMENT**

**FROM**

**HP Printing Korea Co., Ltd.**

**TO**

**Hewlett-Packard Development Company, L.P.**

WHEREAS, HP Printing Korea Co., Ltd., a limited liability company (formerly a joint stock company under the same name, and also formerly known as S-Printing Solution Co., Ltd.) organized under the laws of the Republic of Korea with a principal office and place of business at Alphadom Tower 3, 152, Pangyoyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea (formerly at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea) (herein referred to as "Assignor"), and Hewlett-Packard Development Company, L.P., a Texas Limited Partnership having its principal place of business at 10300 Energy Drive, Spring, Texas 77389, U.S.A. (hereinafter referred to as "Assignee"), are parties to assignments of patent rights (as used herein "patent" refers to any form of intellectual property protection including, without limitation, invention rights, utility patent rights, design rights, and utility model rights) relating to the applications for patents identified in Schedule A ("Assigned Patent Applications") from Assignor to Assignee;

WHEREAS Assignor and Assignee have determined a typographical error listing HP Printing Co., Ltd. rather than HP Printing Korea Co., Ltd. exists in the signature block of some of the aforementioned assignments of patent rights; AND

WHEREAS Assignor and Assignee wish to confirm such assignments of patent rights from Assignor to Assignee.

NOW THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, Assignor hereby confirms that it has assigned and transferred to Assignee, its successors, and its assigns, Assignor's entire right, title, and interest, including all rights of priority in, to, and under the Assigned Patent Applications; the subject matter, including any and all inventions, improvements, and discoveries, set forth in the Assigned Patent Applications (hereinafter "Inventions"); any and all existing and future applications for patent of any country or region or under any international agreement for any of said Inventions (including, without limitation, the Assigned Patent Applications, any and all applications for patent directly or indirectly claiming priority to or benefit of any application for patent for any of said Inventions, any and all applications for patent from which any application for patent for said Inventions directly or indirectly claims priority or benefit, and any and all continuation applications of, continuation-in-part applications (hereinafter CIPs) of, divisional applications of, national-phase applications of, regional-phase applications of, renewals of, and substitutes for any application for patent for any of said Inventions) (hereinafter "Applications for Patent"); any and all patents which may be granted on or as a result of said Applications for Patent (hereinafter "Patents"); and any and all reissues, reexaminations, and extensions of said Applications for Patent or said Patents. Furthermore, to the extent Assignor's entire right, title, and interest, including all rights of priority in, to,

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and under the Inventions, Applications for Patent, and Patents have not already been assigned and transferred to Assignee or such assignment and/or transfer is deemed ineffective for any reason, Assignor hereby assigns and transfers its entire right, title, and interest, including all rights of priority in, to, and under the Inventions, Applications for Patent, and Patents to Assignee.

In connection with the foregoing, Assignor hereby confirms that the respective patent office or governmental agency in each jurisdiction may record and/or register Assignee as assignee of Assignor's entire right, title, and interest therein, and to issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Applications for Patent (including, for the avoidance of doubt, the Assigned Patent Applications) in the name of Assignee as the assignee to the entire interest therein.

IN WITNESS WHEREOF, Assignor and Assignee have caused this confirmatory patent assignment to be executed by their authorized representatives.

**HP Printing Korea Co., Ltd.**

By:   
Dookyu Kim

Title: Authorized Representative

Date: Feb. 18, 2021

**Hewlett-Packard Development Company, L.P.**

By: HPQ Holdings, LLC, its General Partner

By:   
Benjamin Searle

Title: Patent Development Director

Date: February 18, 2021

**Schedule A**

HP Record ID	Country	Patent Application Number	Patent Application Filing Date
84907335	KR	10-2017-0154979	2017-11-20
84907341	KR	10-2017-0155813	2017-11-21
84868870	KR	10-2017-0168712	2017-12-08
84868859	KR	10-2017-0172666	2017-12-14
84868854	KR	10-2017-0172667	2017-12-14
84868873	KR	10-2017-0174174	2017-12-18
84901773	KR	10-2017-0177589	2017-12-21
84903644	KR	10-2017-0182622	2017-12-28
84907338	KR	10-2018-0006665	2018-01-18
84906866	KR	10-2018-0007854	2018-01-22
84904953	KR	10-2018-0007920	2018-01-22
84903647	KR	10-2018-0007979	2018-01-22
84855783	KR	10-2018-0008157	2018-01-23
84906869	KR	10-2018-0008229	2018-01-23
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84906862	KR	10-2018-0012114	2018-01-31
84906850	KR	10-2018-0012142	2018-01-31
84902036	KR	10-2018-0012451	2018-01-31
84907344	KR	10-2018-0013618	2018-02-02
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84928184	KR	10-2018-0030544	2018-03-15
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84928210	KR	10-2018-0034769	2018-03-26
84928126	KR	10-2018-0036499	2018-03-29
84928169	KR	10-2018-0036910	2018-03-29
84928179	KR	10-2018-0042204	2018-04-11
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84928174	KR	10-2018-0042425	2018-04-11
84928189	KR	10-2018-0042963	2018-04-12
84934983	KR	10-2018-0043062	2018-04-13
84928159	KR	10-2018-0043317	2018-04-13
84928136	KR	10-2018-0043359	2018-04-13

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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
84928146	KR	10-2018-0045139	2018-04-18
84935013	KR	10-2018-0045698	2018-04-19
84928195	KR	10-2018-0046385	2018-04-20
84934988	KR	10-2018-0046736	2018-04-23
84935018	KR	10-2018-0046764	2018-04-23
84934993	KR	10-2018-0048042	2018-04-25
84940773	KR	10-2018-0048674	2018-04-26
84934998	KR	10-2018-0049364	2018-04-27
84935008	KR	10-2018-0049424	2018-04-27
84940768	KR	10-2018-0049428	2018-04-27
84935003	KR	10-2018-0049435	2018-04-27
84955941	KR	10-2018-0054429	2018-05-11
84953423	KR	10-2018-0055680	2018-05-15
84955746	KR	10-2018-0060633	2018-05-28
84955694	KR	10-2018-0063013	2018-05-31
84955718	KR	10-2018-0063014	2018-05-31
84955736	KR	10-2018-0064309	2018-06-04
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84957989	KR	10-2018-0067409	2018-06-12
84955774	KR	10-2018-0068402	2018-06-14
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84957979	KR	10-2018-0069817	2018-06-18
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84988388	KR	10-2018-0095363	2018-08-16
84988329	KR	10-2018-0095564	2018-08-16
84988334	KR	10-2018-0097697	2018-08-21

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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
84988396	KR	10-2018-0098848	2018-08-23
84988414	KR	10-2018-0098851	2018-08-23
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84960934	KR	10-2018-0102524	2018-08-30
84960939	KR	10-2018-0102529	2018-08-30
84974993	KR	10-2018-0102532	2018-08-30
84975004	KR	10-2018-0102536	2018-08-30
84975009	KR	10-2018-0102539	2018-08-30
84975021	KR	10-2018-0102543	2018-08-30
84975027	KR	10-2018-0102557	2018-08-30
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84990208	KR	10-2018-0107612	2018-09-10
84990213	KR	10-2018-0107700	2018-09-10
84990218	KR	10-2018-0107837	2018-09-10
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85005691	KR	10-2018-0133019	2018-11-01
85005645	KR	10-2018-0134753	2018-11-05
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85005402	KR	10-2018-0135779	2018-11-07
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85005673	KR	10-2018-0135914	2018-11-07
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85005422	KR	10-2018-0136062	2018-11-07
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85005427	KR	10-2018-0136166	2018-11-07
85052944	KR	10-2018-0167118	2018-12-21
85052962	KR	10-2019-0003382	2019-01-10
85052967	KR	10-2019-0003394	2019-01-10

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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
85053063	KR	10-2019-0003756	2019-01-11
85053048	KR	10-2019-0005315	2019-01-15
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85053230	KR	10-2019-0005937	2019-01-16
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85681831	KR	10-2019-0026365	2019-03-07
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85682010	KR	10-2019-0026606	2019-03-08
85682093	KR	10-2019-0026609	2019-03-08
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85683028	KR	10-2019-0027677	2019-03-11
85682285	KR	10-2019-0029306	2019-03-14
85683075	KR	10-2019-0029942	2019-03-15
85683038	KR	10-2019-0032080	2019-03-21
85683050	KR	10-2019-0032083	2019-03-21
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85683132	KR	10-2019-0046224	2019-04-19
85683123	KR	10-2019-0046354	2019-04-19
85683116	KR	10-2019-0046659	2019-04-22
85682087	KR	10-2019-0047984	2019-04-24
85682144	KR	10-2019-0047988	2019-04-24
85735416	KR	10-2019-0061394	2019-05-24
85735433	KR	10-2019-0068139	2019-06-10
85735439	KR	10-2019-0070225	2019-06-13



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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
85735499	KR	10-2019-0070588	2019-06-14
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85735604	KR	10-2019-0072301	2019-06-18
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84964256	JP	2018-130680	2018-07-10
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84964295	JP	2018-134672	2018-07-18
84964232	JP	2018-135238	2018-07-18
84964290	JP	2018-135244	2018-07-18

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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
84964331	JP	2018-135246	2018-07-18
84964267	JP	2018-135895	2018-07-19
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84964302	JP	2018-136681	2018-07-20
84964353	JP	2018-136716	2018-07-20
84964237	JP	2018-137154	2018-07-20
84964248	JP	2018-137961	2018-07-23
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85005489	JP	2018-193360	2018-10-12
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85005497	JP	2018-195673	2018-10-17
85005432	JP	2018-197624	2018-10-19
85005469	JP	2018-197625	2018-10-19
85005474	JP	2018-197627	2018-10-19
85005407	JP	2018-202976	2018-10-29
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85676591	US	29/683028	2019-03-11
85687248	US	29/683051	2019-03-11
85680546	US	29/683393	2019-03-13
84953403	PCT	PCT/US2018/032100	2018-05-10
84953408	PCT	PCT/US2018/032282	2018-05-11
84953398	PCT	PCT/US2018/032284	2018-05-11
84928205	PCT	PCT/US2018/033088	2018-05-17
84977849	PCT	PCT/US2018/048744	2018-08-30

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HP Record ID	Country	Patent Application Number	Patent Application Filing Date
84977820	PCT	PCT/US2018/048769	2018-08-30
84977855	PCT	PCT/US2018/048775	2018-08-30
84977829	PCT	PCT/US2018/048781	2018-08-30
84977863	PCT	PCT/US2018/048796	2018-08-30
84977867	PCT	PCT/US2018/048805	2018-08-30
84977775	PCT	PCT/US2018/048816	2018-08-30
84977812	PCT	PCT/US2018/048818	2018-08-30
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85005526	PCT	PCT/US2018/059600	2018-11-07
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