# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6470216

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
YOONA MIN	11/06/2018
JI-WON MOON	11/06/2018
EUN-KYUNG YUN	10/30/2018
MIN-CHUL LEE	11/07/2018

### **RECEIVING PARTY DATA**

Name:	HP PRINTING KOREA CO., LTD.
Street Address:	ALPHADOM TOWER 3, 152, PANGYOYEOK-RO, BUNDANG-GU
City:	SEONGNAM-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13529

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17256347

## **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.

Correspondent Name: HP INC.

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Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	85959892
NAME OF SUBMITTER:	GEORGE C. ECKERT
SIGNATURE:	/George C. ECKERT/
DATE SIGNED:	12/28/2020

# **Total Attachments: 4**

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PATENT REEL: 054756 FRAME: 0063

RECORD	ID:	8500	5526

### **ASSIGNMENT OF PATENT APPLICATION**

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter "HPPK"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

TONER LEVE	EL DETERMINATION AND NO	OTIFICATION			
Filing Date:	November 7, 2018	_ Application No.:	PCT/US201	8/059600	Patent Office: US
herein "patent" design rights, country or regipatent, any and said inventions indirectly claim of, divisional a application for on or as a rest	tter, including any and all invention refers to any form of intellectual and utility model rights) (herein on or under any international agold all applications for patent directs, any and all applications for ps priority or benefit, and any and pplications of, national-phase appatent for any of said Inventions ult of said Applications for Patentions for Patent tons for Patent or said Patents.	property protection in pafter "inventions"); as reement for any of sa stly or indirectly claiminatent from which any diall continuation appli- pplications of, regionals) (hereinafter "Applica")	cluding, without by and all exist id Inventions (ir ng priority to or application for cations of, cont il-phase applica ations for Paten	limitation, inventing and future and future and future and cluding, without benefit of any appropriate for any inuation-in-part attions of, renewalt"); any and all p	ion rights, utility patent rights applications for patent of an limitation, said application for polication for patent for any coof said Inventions directly of applications (hereinafter CIPs to of, and substitutes for an atents which may be granted
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IN WITNE	ESS WHEREOF, I hereunto set r	my hand and seal:			
	and the second s		6	Nov	2018
Inventor's Signat	ture		Day	Month	Year
Yoona MIN	Middle Name(s) Family Name				
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### ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129.

Samsung-ro, Yeongtong-gu, Suwon-si, title, and interest, including all rights of parentheses if said application for paten	f priority, in, to, and under			
TONER LEVEL DETERMINATION A	ND NOTIFICATION			
Filing Date: November 7, 2018	Application No.:	PCT/US20	18/059600	Patent Office: US
the subject matter, including any and all herein "patent" refers to any form of inte design rights, and utility model rights) country or region or under any internatipatent, any and all applications for pate said inventions, any and all application indirectly claims priority or benefit, and of, divisional applications of, national-papplication for patent for any of said Imon or as a result of said Applications for Said Applications for Patent or said Possible 1997.	llectual property protection in (hereinafter "Inventions"); a onal agreement for any of sa int directly or indirectly claim! as for patent from which am any and all continuation appli- hase applications of, regions rentions) (hereinafter "Applic r Patent (hereinafter "Patents	icluding, without ny and all exist id Inventions (ir ing priority to or y application for ications of, cont al-phase applica ations for Paten	limitation, inventi- ing and future ap- cluding, without I- benefit of any ap- patent for any o- nuation-in-part ap- tions of, renewalt t'); any and all pa-	on rights, utility patent rights, optications for patent of any imitation, said application for olication for patent for any of of said Inventions directly or optications (hereinafter CIPs) s of, and substitutes for any itents which may be granted
I HEREBY represent that I convey entire right, title, and interest herein ass conflict herewith;				
AND I HEREBY authorize HPPK Applications for Patent in its name or authorize HPPK, its successors, its assi and patent office of said application for p	in my name in any country gns, its nominees, and its leg	or region or un al representativ	der any internations s to insert the fili	onal agreement, and further ng date, application number,
AND I HEREBY authorize and required to it is to issue patents, to issue to H Patents, in accordance with the terms of	PPK, its successors, or its a	ssigns, as assig		
AND I HEREBY covenant and agres such papers as may be necessary or HPPK, its successors, or its assigns; co all known facts respecting said Inventio and sign all lawful papers (including, applications) relating to said Inventions generally to do everything possible to a maintain, and enforce, for its or their ow and Patents, provided the expenses whits successors, its assigns, its nominees	desirable to perfect the title mmunicate to HPPK, its success, Applications for Patent, a without limitation, divisiona Applications for Patent, an d HPPK, its successors, its in benefit, proper intellectual proper intellectual of the may be incurred by me in	in said Inventi- cessors, its assi- and Patents; tes I applications, of Id Patents; and assigns, its nom- property protecti-	ons, Applications gns, its nominees ify in any legal or continuation appli make all rightful inees, and its leg on for said Inventi	for Patent, and Patents, to, or its legal representatives, radministrative proceedings leations, CIPs, and reissue oaths and declarations and al representatives to obtain, ons, Applications for Patent,
IN WITNESS WHEREOF, I hereun	to set my hand and seat:			
zavor Moon			1/20	2011
Inventor's Signature		Day	Month	Year
Ji-Won MOON				
Given (First and Middle) Name(s) Famil	y Name			

Rev 8/2018 (HPPK Assignment)

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### **ASSIGNMENT OF PATENT APPLICATION**

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter "HPPK"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

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TONER LEV	EL DETERM	INATION AND	NOTIFICATION			
Filing Date:	November	7, 2018	Application No.:	PCT/US201	8/059600	Patent Office: US
herein "patent design rights, country or reg patent, any ar said Invention indirectly clair of, divisional application for on or as a res	" refers to any and utility mo and utility mo ion or under a nd all applications, any and all ns priority or be applications of patent for any sult of said App	form of intellectuated rights) (hen my international ons for patent did applications for anefit, and any a , national-phase y of said invention	ual property protection in sinafter "Inventions"); a agreement for any of sa ectly or indirectly claim! patent from which any and all continuation appli applications of, regiona ins) (hereinafter "Applica ent (hereinafter "Patentre ent (hereinafter "Patentre and protections of the ent (hereinafter "Patentre ent (hereinafter ) ent (hereinaf	icluding, without ny and all existi iid Inventions (in ng priority to or I y application for ications of, conti si-phase applical ations for Patent	limitation, invention and future applications, without linderesting without linderesting application for any opportunition-in-part applications of, renewals "); any and all paternal and and all paternal and all	olication for patent (as used in rights, utility patent rights olications for patent of any intation, said application for ication for patent for any of said Inventions directly or said Inventions directly or olications (hereinafter CIPs) of, and substitutes for any ents which may be granted aminations, and extensions
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Rev 8/2018 (HPPK Assignment)

#### ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129,

# Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter "HPPK"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language): TONER LEVEL DETERMINATION AND NOTIFICATION Patent Office: US Filing Date: November 7, 2018 Application No.: PCT/US2018/059600 the subject matter, including any and all inventions, improvements, and discoveries, set forth in said application for patent (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) (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, said application for patent, 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 any of 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. I HEREBY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith: AND I HEREBY authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreement, and further authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to insert the filing date, application number, and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them; AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPPK, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer; AND I HEREBY covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title in said Inventions, Applications for Patent, and Patents, to HPPK, its successors, or its assigns; communicate to HPPK, its successors, its assigns, its nominees, or its legal representatives, all known facts respecting said Inventions, Applications for Patent, and Patents; testify in any legal or administrative proceedings and sign all lawful papers (including, without limitation, divisional applications, continuation applications, CIPs, and reissue applications) relating to said Inventions, Applications for Patent, and Patents; and make all rightful oaths and declarations and generally to do everything possible to aid HPPK, its successors, its assigns, its nominees, and its legal representatives to obtain, maintain, and enforce, for its or their own benefit, proper intellectual property protection for said Inventions, Applications for Patent, and Patents, provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HPPK. its successors, its assigns, its nominees, or its legal representatives. IN WITNESS WHEREOF, I hereunto set my hand and seal: Nov. Inventor's Signature Min-Chul LEE Given (First and Middle) Name(s) Family Name

Rev 8/2018 (HPPK Assignment)

**PATENT** REEL: 054756 FRAME: 0067