# 506326054 10/28/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6372804

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MOK-HWA LIM	03/15/2019
HYEONSEUNG LEE	03/15/2019
JANG-GEUN KIM	03/14/2019
JINCHEOL KIM	03/13/2019
BYEONGNO JEONG	03/14/2019
SUNGCHUL AHN	03/14/2019

#### **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:	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.

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35
Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	85951188
NAME OF SUBMITTER:	GEORGE C. ECKERT
SIGNATURE:	/George C. ECKERT/
DATE SIGNED:	10/28/2020

PATENT 506326054 REEL: 054196 FRAME: 0791

# Total Attachments: 6 source=OHP11997KR-Executed Assignment\_#page1.tif source=OHP11997KR-Executed Assignment\_#page2.tif source=OHP11997KR-Executed Assignment\_#page3.tif source=OHP11997KR-Executed Assignment\_#page4.tif source=OHP11997KR-Executed Assignment\_#page5.tif source=OHP11997KR-Executed Assignment\_#page6.tif

PATENT REEL: 054196 FRAME: 0792

#### ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the rectransfer and hereby assign and transfer to HP PRINTING KORE. Samsung-ro. Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereins title, and interest, including all rights of priority, in, to, and under parentheses if said application for patent is in another language):	A CO., LTD., har after "HPPK"), its :	ving a principal business successors, and its assign	s address of 129, ns, my entire right,
트너 리필 과정에서의 에러 처리 방법(METHOD FOR ERROR HA	ANDLING IN TH	E TONER REFILL PRO	CESS)
Filling Date: 06 Nov 2018 Application No.:	10-2018-01350	24 Pater	nt Office: KR
the subject matter, including any and all inventions, improvements, a herein "patent" refers to any form of intellectual property protection in design rights, and utility model rights) (hereinafter "Inventions"); at country or region or under any international agreement for any of sa patent, any and all applications for patent directly or indirectly claims said inventions, any and all applications for patent from which any indirectly claims priority or benefit, and any and all continuation applicit, divisional applications of, national-phase applications of, regions application for patent for any of said inventions) (hereinafter "Patents of said Applications for Patent (hereinafter "Patents of said Applications for Patents).	icluding, without liny and all existing the congruence of the congruence of the congruence of the confinations of the confinations for Patent?	mitation, invention rights, g and future applications luding, without limitation, enefit of any application in patent for any of said in uation-in-part applications ons of, renewals of, and it any and all patents whi	utility patent rights, s for patent of any said application for or patent for any of ventions directly or s (hereinafter CIPs) substitutes for any on may be granted to may be granted
I HEREBY represent that I convey my full rights in all countries entire right, title, and interest herein assigned and transferred, and the conflict herewith;			
AND I HEREBY authorize HPPK, its successors, its assign Applications for Patent in its name or in my name in any country authorize HPPK, its successors, its assigns, its nominees, and its leg and patent office of said application for patent, now identified by the F	or region or und al representatives	er any international agre i to insert the filing date, a	ement, and further application number,
AND I HEREBY authorize and request the officials of all countri duty it is to issue patents, to issue to HPPK, its successors, or its a Patents, in accordance with the terms of this assignment and transfer	ssigns, as assign		
AND I HEREBY covenant and agree that I will, each time a requisuch papers as may be necessary or desirable to perfect the title HPPK, its successors, or its assigns; communicate to HPPK, its successors all known facts respecting said inventions, Applications for Patent, and sign all lawful papers (including, without limitation, divisional applications) relating to said inventions, Applications for Patent, an generally to do everything possible to aid HPPK, its successors, its imaintain, and enforce, for its or their own benefit, proper intellectual pand Patents, provided the expenses which may be incurred by me in its successors, its assigns, its nominees, or its legal representatives.	in said Invention cessors, its assignand Patents; testif I applications, oc id Patents; and in assigns, its nomin property protection	ns, Applications for Pater is, its nominees, or its leg by in any legal or adminis intinuation applications, nake all rightful oaths an nees, and its legal repres in for said Inventions, App	nt, and Patents, to gal representatives, trative proceedings CIPs, and reissue d declarations and entatives to obtain, lications for Patent,
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oh % et	15	March	2019
Inventor's Signature	Day	Month	Year
Mok-Hwa Lim			
Given (First and Middle) Name(s) Family Name			

HP Inc	PATENT APPLICATION
3390 E. Harmony Road	
Mail Stop 35	RECORD ID: 85005700
Fort Collins, Colorado 80528	

RECORD ID:	85005700
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## ASSIGNMENT OF PATENT APPLICATION

transfer and hereby assign and transfer sand hereby assign and transfer Samsung-ro, Yeongtong-gu, Suwon-si, Gy title, and interest, including all rights of parentheses if said application for patent is	te HP PRINTING KOREA Co eonggi-do, Korea (hereinafter priority, in, to, and under an	O., LTD., hav "HPPK"), its s	ring a principal bi uccessors, and its	usiness address of 129, assigns, my entire right,
토너 리필 과정에서의 에러 커리 방법(₩	ETHOD FOR ERROR HAND	LING IN THE	TONER REFILI	. PROCESS)
Filing Date: 06 Nov 2018	Application No.: 10-	2018-013502	4	Patent Office: KR
the subject matter, including any and all in herein "patent" refers to any form of inteller design rights, and utility model rights) (he country or region or under any international patent, any and all applications for patent said Inventions, any and all applications indirectly claims priority or benefit, and any of, divisional applications of, national-phasapplication for patent for any of said Inventor or as a result of said Applications for For Said Applications for Patent or said Pater	ctual property protection include ereinafter "Inventions"); any a al agreement for any of said in directly or indirectly claiming p for patent from which any ap- y and all continuation applications applications of, regional-phintions) (hereinafter "Applications distant (hereinafter "Patents"); a	ing, without ling all existing exertions (including the properties of the propertie	nitation, invention and future appli uding, without limi mefit of any applic attent for any of s lation-in-part appli ins of, renewals of any and all pate:	rights, utility patent rights, ications for patent of any tation, said application for ation for patent for any of said inventions directly or cations (hereinafter CIPs) if, and substitutes for any its which may be granted
i HEREBY represent that I convey n entire right, title, and interest herein assign conflict herewith;				
AND I HEREBY authorize HPPK, in Applications for Patent in its name or in authorize HPPK, its successors, its assignment patent office of said application for patent.	my name in any country or n s, its nominees, and its legal re	egion or unde presentatives	r any internations to insert the filing	il agreement, and further date, application number,
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AND I HEREBY covenant and agree to such papers as may be necessary or de HPPK, its successors, or its assigns; commall known facts respecting said Inventions, and sign all lawful papers (including, with applications) relating to said Inventions, Agenerally to do everything possible to aid maintain, and enforce, for its or their own beand Patents, provided the expenses which its successors, its assigns, its nominees, or	isirable to perfect the title in a nunicate to HPPK, its success, Applications for Patent, and I ithout limitation, divisional ap Applications for Patent, and Pi HPPK, its successors, its assigneed, proper intellectual proper may be incurred by me in ten	said invention ors, its assign Patents; testify plications, co- atents; and m gns, its nomin erty protection	e, Applications fo s, its nominees, o r in any legal or a ntinuation applica ake all rightful oa ees, and its legal for said invention	r Patent, and Patents, to rita legal representatives, dministrative proceedings tions. CIPs, and reissue ths and declarations and representatives to obtain, s, Applications for Patent.
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Inventor's Signature		Day	Month	Year
HYEONSEUNG LEE	5.6			
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MARK NO	22 5-1-75	ELECTION IN

RECORD ID: 85005700

# 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):

토너 리필 과정에서의 에러 처리 방법(METHOD FOR ERROR HANDLING IN THE TONER REFILL PROCESS)

Filing Date:	06 Nov 2018	Application No.:	10-2018-0135024		Patent Office:	KR :
design rights, country or reg patent, any an said Invention indirectly claim of, divisional a application for on or as a res	atter, including any and all in it refers to any form of intelle and utility model rights) (higher or under any internation of all applications for patent is, any and all applications in priority or benefit, and an applications of, national-pharpatent for any of said Inversulf of said Applications for Fations for Patent or said Patent for Batent or said Patent for Patent or said Patent for Patent or said Patent for Patent or said Patent for Said Patent or said Patent for Said Patent or said Patent for Sai	natural property protection in learning the "Inventions"); an all agreement for any of sail directly or indirectly claiming for patent from which any y and all continuation applicates se applications of, regional attent (hereinafter "Applications)	country without limit my and all existing: d inventions (including ing priority to or bens application for pat captions of, continuated increase applications	ration, invention ri and future applicating, without limita afit of any application for any of sa ent for any of sa ition-in-part application in-part application.	ghts, utility paten ations for patent ition, said applica- tion for patent for id inventions din ations (hereinafte and substitutes	it rights, of any ation for any of ectly or of CIPs) for any
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Rev 8/2018 (HPPK Assignment)

Given (First and Middle) Name(s)

Family Name

RECORD ID: 85	5005700
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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):

parentheses if	said application	or patent is in another language):				<b>4</b> .5
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Filing Date:	06 Nov 2018	Application No	.: 10-201	3-0135024	Patent Office	e: KR
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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 parentheses if said application for pater	of priority, in, to, and under ar			
토너 리필 과정에서의 에러 처리 방	법(METHOD FOR ERROR F	HANDLING II	N THE TONE	R REFILL PROCESS)
Filing Date: 06 Nov 2018	Application No.: 1	0-2018-013502	24	Patent Office: KR
the subject matter, including any and a herein "patent" refers to any form of inh design rights, and utility model rights; country or region or under any internat patent, any and all applications for patent, any and all application indirectly claims priority or benefit, and of, divisional applications of, national-application for patent for any of said in on or as a result of said Applications for Patent or said F	ellectual property protection including (hereinafter "Inventions"); any identificational agreement for any of said ent directly or indirectly claiming or sor patent from which any early and all continuation applications of, regional-protections) (hereinafter "Application Patent (hereinafter "Patents")	uding, without ling and all existing inventions (inclusions) priority to or be application for pations of, continuous especiality ons for Patent').	mitation, invention and future appuiding, without like senet to fany appuidient for any of unation-in-part appuiss of, renewals any and all part appuiding any and all part appuiding any and all part appuiding any and all part any and all part appuiding any and all part any any and all part any	in rights, utility patent rights plications for patent of any mitation, said application for flication for patent for any or fisaid Inventions directly or plications (hereinafter CIPs, of, and substitutes for any tents which may be granted
I HEREBY represent that I conve entire right, title, and interest herein as conflict herewith;				
AND I HEREBY authorize HPP. Applications for Patent in its name or authorize HPPK, its successors, its ass and patent office of said application for	In my name in any country or signs, its nominees, and its legal	region or unde representatives	er any internation to insert the filir	nal agreement, and further ng date, application number
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AND I HEREBY covenant and agr such papers as may be necessary or HPPK, its successors, or its assigns; call known facts respecting said Inventional sign all lawful papers (including applications) relating to said Invention generally to do everything possible to maintain, and enforce, for its or their ow and Patents, provided the expenses wits successors, its assigns, its nominee	r desirable to perfect the title in ommunicate to HPPK, its succestudes. Applications for Patent, and without limitation, divisional a is, Applications for Patent, and ald HPPK, its successors, its as we benefit, proper intellectual pro- hich may be incurred by me in let.	n said Invention ssors, its assign d Patents, testify applications, co- Patents; and m isigns, its nomin operty protection	es, Applications is, its nominees, y in any legal or intinuation appli nake all rightful nees, and its legal for said Inventions	for Patent, and Patents, to or its legal representatives administrative proceedings cations, CIPs, and reissue oaths and declarations and al representatives to obtain ons, Applications for Patent
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Inventor's Signature		Day	Month	Year
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RECORD ID:_	85005700
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## ASSIGNMENT OF PATENT APPLICATION

it, the undersigned, for good and valuable transfer and hereby assign and transfer to Samsung-ro, Yeongtong-gu, Suwon-si, Gyeontitle, and interest, including all rights of pric parentheses if said application for patent is in	HP PRINTING KOREA nggi-do, Korea, (hereina prity, in, to, and under	\ CO., LTD., h fter "HPPK"), its	aving a principal bis successors, and its	usiness address of 129, assigns, my entire right,
토너 리필 과정에서의 에러 처리 방법(M	IETHOD FOR ERROR	RHANDLING	IN THE TONER	REFILL PROCESS)
Filing Date: 06 Nov 2018	Application No.:	10-2018-0135	024	Patent Office: KR
the subject matter, including any and all invertherein "patent" refers to any form of intellecture design rights, and utility model rights) (here country or region or under any international apatent, any and all applications for patent directly claims priority or benefit, and any a of, divisional applications of, national-phase application for patent for any of said Invention on or as a result of said Applications for Patent of said Applications for Patent or said Patents	al property protection in sinafter "Inventions"); ar agreement for any of sai eatly or indirectly claimir patent from which any nd all continuation appli- applications of, regiona ens) (hereinafter "Applica ent (hereinafter "Patents	cluding, without by and all exist id Inventions (in ing priority to or application for cations of, cont i-phase applica- tions for Paten	limitation, inventioning and future applictuding, without limit benefit of any applicition and applications of, renewals of the applications of, renewals of the applications and all pates.	rights, utility patent rights ications for patent of any tation, said application for patent for any coation for patent for any coaid Inventions directly of ications (hereinafter CIPs of, and substitutes for any nts which may be granted.
I HEREBY represent that I convey my entire right, title, and interest herein assigned conflict herewith;				
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AND I HEREBY covenant and agree that such papers as may be necessary or desir HPPK, its successors, or its assigns; commutall known facts respecting said Inventions, A and sign all lawful papers (including, with applications) relating to said inventions, Applications) relating to said inventions, Applications) relating to said inventions, Applications, relating to said inventions, Applications, and enforce, for its or their own ben and Patents, provided the expenses which mits successors, its assigns, its nominees, or its	able to perfect the title nicate to HPPK, its succ pplications for Patent, a out limitation, divisional plications for Patent, an PK, its successors, its a lefit, proper intellectual pay be incurred by me in	in said Inventi- essors, its assi- nd Patents; tes applications, d Patents; and assigns, its non- roperty protecti	ons, Applications for gns, its nominees, o tify in any legal or a continuation applica make all rightful or tinees, and its legal on for said Invention	ir Patent, and Patents, to rits legal representatives idministrative proceedings itions. CIPs, and reissue aths and declarations and representatives to obtain is, Applications for Patent
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Sungchul Ahn				
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