

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6768447

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HANRIM POSTECH CO., LTD.	10/20/2015
RECEIVING PARTY DATA		
Name:	INTEL CORPORATION	
Street Address:	2200 MISSION COLLEGE BOULEVARD	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17120487
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	P93561USC6-C1	
NAME OF SUBMITTER:	Yael RAPOPORT	
SIGNATURE:	/Yael Rapoport/	
DATE SIGNED:	06/17/2021	
Total Attachments: 10		
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Patent Assignment

Hanrim Postech Co., Ltd., a Korean company, with an office at at Hanrim Building 924, Gosaek-dong, Gwonseon-gu Suwon-si, Gyeonggi-do, Korea ("Assignor") is the sole owner of the patents and patent applications listed in Schedule 1 hereto (collectively the "Listed Patents"); and

Intel Corporation, a Delaware corporation, with an office at 2200 Mission College Blvd., Santa Clara, CA 95054, ("Assignee") desires to acquire all right, title and interest in the Listed Patents and the other patents and related rights described below.

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and convey to Assignee and its successors and assigns all right, title and interest that may exist today and in the future to any and all:

- (1) Listed Patents;
- (2) patents and patent applications to which any of the Listed Patents directly or indirectly claims, or forms the basis for, priority anywhere in the world;
- (3) reissues, reexaminations, extensions, continuations, continuations-in-part, continuing prosecution applications and divisions of any of the items covered by (1) or (2) above;
- (4) foreign counterparts to any of the items covered by (1), (2) or (3) above, including utility models, inventors' certificates, industrial design protection and any other form of governmental grants or issuances for the protection of inventions, designs or discoveries;
- (5) with respect to the items covered by (1) through (4) above, all inventions, designs and discoveries described in those items and that (i) are included in any claim in any of those items, or (ii) could have been included as a claim in any of those items or could be included as a claim in any extension, continuation, continuation-in-part, continuing prosecution application, request for continuing examination, division or registration claiming priority to, or in a reissue or reexamination proceeding brought on any of those items;
- (6) patents that issue from any of the items covered by (1) through (5) above;
- (7) claims, causes of action and enforcement rights of any kind, whether currently pending, filed or otherwise, and whether known or unknown, under or arising from any of the items covered by (1) through (6) above, including all rights to pursue and collect damages, costs, injunctive relief and other remedies for past, current or future infringement thereof and including rights afforded under 35 U.S.C. § 154(d);
- (8) royalties, income and other payments due as of the date hereof or hereafter under or arising from any of the items covered by (1) through (7) above; and

- (9) rights to apply for, file, register, maintain, extend and renew in any or all countries of the world patents, certificates of invention, utility models, industrial design protection, design patent protection and other governmental grants or issuances of any kind related to any of the items covered by (1) through (8) above.

Assignor shall execute and deliver any instruments, and do and perform any other acts and things as may be reasonably necessary or desirable for effecting and evidencing the assignments contemplated hereby, including the execution, acknowledgment and recordation of any instruments.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks, the Korea Intellectual Property Office and any other patent office to issue any and all patents, utility models or other governmental grants or issuances pertaining to any of the items assigned hereunder in the name of Assignee.

The assignments and rights pursuant hereto will inure to the benefit of Assignee and its successors, assigns and other legal representatives and is binding upon Assignor and its successors, assigns, heirs and legal representatives.

Assignor, by its duly authorized representative, has executed this assignment on the date set forth below.

DATE: October 20, 2015

Hanrim Postech Co., Ltd.

By: _____

Printed/Typed Name

Title: _____

Signature

[Notarization Required]

ACCEPTED:

DATE: _____, 2015

Intel Corporation

By: _____

Printed/Typed Name

Title: _____

Signature

- (9) rights to apply for, file, register, maintain, extend and renew in any or all countries of the world patents, certificates of invention, utility models, industrial design protection, design patent protection and other governmental grants or issuances of any kind related to any of the items covered by (1) through (8) above.

Assignor shall execute and deliver any instruments, and do and perform any other acts and things as may be reasonably necessary or desirable for effecting and evidencing the assignments contemplated hereby, including the execution, acknowledgment and recordation of any instruments.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks, the Korea Intellectual Property Office and any other patent office to issue any and all patents, utility models or other governmental grants or issuances pertaining to any of the items assigned hereunder in the name of Assignee.

The assignments and rights pursuant hereto will inure to the benefit of Assignee and its successors, assigns and other legal representatives and is binding upon Assignor and its successors, assigns, heirs and legal representatives.

Assignor, by its duly authorized representative, has executed this assignment on the date set forth below.

DATE: October 20, 2015

Hanrim Postech Co., Ltd.

By: [Signature]
Printed/Typed Name

Title: CEO

[Signature]
Signature

[Notarization Required]

ACCEPTED:

DATE: Dec. 9, 2015

Intel Corporation

By: Bradley J. Botsch
Printed/Typed Name

Title: Asst Director, Patent Acquisition

[Signature]
Signature

PATENT

REEL: 056268 FRAME: 0487

수원시 영통구 동수원로 540
법조빌딩 1층
[별지 제41호서식]

공증
인가 법무법인 효원

(전화) (031)214-7733
(팩스) (031)214-7732

Registered No. 2015 - 4884

NOTARIAL CERTIFICATE

HYOWON LAW FIRM & NOTARY OFFICE

540, Dongsuwon-ro
Suwon-si, Gyeonggi-do, KOREA



PATENT

REEL: 096268 FRAME: 0488

수원시 영통구 동수원로 540
법조빌딩 1층
[별지 제43호서식]

공증
인가 **법무법인 효원**

(전화) (031)214-7733
(팩스) (031)214-7732

등부 2015년 제 4884호

Registered No. 2015-4884

인 증

NOTARIAL CERTIFICATE

위 특허양도-----에
기재된 주식회사 한림포스텍-----
대표이사 정춘길-----

의 대리인 윤주혁-----은
본 공증인의 면전에서 위 본인이 ---
서명 - 한 것임을 확인하였다.

YOON JU-HYUK-----

attorney-in-fact of
Hanrim Postech Co., Ltd.-----
CEO CHUN KIL JUNG-----

appeared before me and admitted
said principal`s subscription to
the attached PATENT ASSIGNMENT

2015년 10월 22일
이 사무소에서 위 인증한다.

This is hereby attested on this
22nd day of Oct. 2015 at this office.

공증사무소 명칭
공증 **법무법인 효원**
인가
소 속 수원지방검찰청
소재지표시
수원시 영통구 동수원로 540
법조빌딩 1층

Name of the office
HYOWON LAW FIRM & NOTARY OFFICE
Belong to Suwon
District Prosecutor's Office
Address of the office
540, Dongsuwon-ro
Suwon-si, Gyeonggi-do, KOREA

최종목

공증인 공증담당변호사

T. O. Choi

Signature of the Notary Public

T. O. Choi

본 사무소는 법률 제9416호에 의거하여
2015년 02월 07일 법무부 장관으로부터
공증인 업무를 행할 것을 인가 받았다.

This office has been authorized by the
Minister of Justice, the Republic of
Korea, to act as Notary Public Since
7, Feb. 2015 Under Law No.9416.

PATENT 210mm X 297mm

REEL: 056268 FRAME: 0480

Schedule 1
to
Patent Assignment

Country	Application No.	Application Date	Registration No.	Registration Date	Name
KR	2007-0092615	9/12/2007	819753	2008.03.31	NON-CONTACT CHARGER SYSTEM OF WIRELESS POWER TRANSMISSION FOR BATTERY AND CONTROL METHOD THEREOF
KR	10-2007-0070447	7/13/2007			NON-CONTACT CHARGER SYSTEM OF WIRELESS POWER TRANSMISSION FOR BATTERY AND CONTROL METHOD THEREOF
EP	07 808 210.4	5/22/2008	2057730		NON-CONTACT CHARGER SYSTEM OF WIRELESS POWER TRANSMISSION FOR BATTERY AND CONTROL METHOD THEREOF
CN	201010622 797.0	12/24/2010	2010106227 97.0	7/24/2013	Battery pack for wireless charger system and controlling method thereof
CN	200780001 339.1	9/13/2007	CN1014384 80A	5/20/2009	NON-CONTACT CHARGER SYSTEM OF WIRELESS POWER TRANSMISSION FOR BATTERY AND CONTROL METHOD THEREOF
JP	2011-049631	3/7/2011	5563501	6/20/2014	Non-contact charging system for battery and control method thereof
JP	2009-523728	9/13/2007 Entry: 5/16/2008	2009-544275	12/10/2009	NON-CONTACT CHARGER SYSTEM OF WIRELESS POWER TRANSMISSION FOR BATTERY AND CONTROL METHOD THEREOF
WO	PCT/KR20 07/004418	9/13/2007	WO/2009/01 1475	1/22/2009	Non-contact charging system for battery and control method thereof
US	12/093,520	5/13/2008	7948209	5/24/2011	Wireless charger system for battery pack solution and controlling method thereof
US	13/708,480	12/7/2012	RE44713	1/21/2014	Wireless charger system for battery pack solution and controlling method thereof
KR	2008-0015114	2/20/2008	976161	2010.08.10	CHARGING CONTROL METHOD OF NON-CONTACT CHARGING SYSTEM OF WIRELESS POWER TRANSMISSION AND CHARGING CONTROL METHOD THEREOF
EP	08 159 825.2	7/7/2008			NON-CONTACT POWER CHARGING SYSTEM AND CONTROL METHOD THEREOF

CN	200810127 685.0	7/7/2008	2008101276 85.0	6/19/2013	Non-contact power charging system and control method thereof
CN	201310055 516.1	7/7/2008			Non-contact power charging system and control method thereof
CN	201110212 373.1	7/7/2008			Non-contact power receiving device and method and power transmission device and method
JP	2008- 234885	9/12/2008	5059720	8/10/2012	Non-contact charging method, Non-contact power transmitter and Non-contact power receiver
WO	PCT/KR20 08/001073	2/25/2008	WO/2009/10 4832	8/27/2009	CHARGING CONTROL METHOD OF NON-CONTACT CHARGING SYSTEM OF WIRELESS POWER TRANSMISSION AND CHARGING CONTROL METHOD THEREOF
US	12/166,527	7/2/2008	8030887	10/4/2011	Non-contact power charging system and control method thereof
US	14/044,499	10/2/2013			NON-CONTACT POWER CHARGING SYSTEM AND CONTROL METHOD THEREOF
US	13/755,710	1/31/2013			NON-CONTACT POWER CHARGING SYSTEM AND CONTROL METHOD THEREOF
US	13/226,769	9/7/2011			NON-CONTACT POWER CHARGING SYSTEM AND CONTROL METHOD THEREOF
US	13/970,340	8/19/2013			NON-CONTACT POWER CHARGING SYSTEM AND CONTROL METHOD THEREOF
KR	2008- 0126271	12/12/2008	971714	2010.07.15	NON-CONTACT MULTI-CHARGING STATION OF WIRELESS POWER TRANSMISSION WITH DOUBLE PT-PCB CORE LAYER HAVING PLURAL PLANAR SPIRAL CORE STRUCTURE
KR	2009- 0058139	6/29/2009	971701	2010.07.15	Wireless charging system using piled type dual core
KR	2009- 0082773	9/3/2009	971705	2010.07.15	Non-contact charging system
EP	09 825 620.9	5/14/2010			CONTACTLESS POWER TRANSMISSION DEVICE
EP	11 188 577.8	11/10/2011	2 426 808 (DE,ES,FR, GB,IT,NE)	6/5/2013	CONTACTLESS POWER TRANSMISSION DEVICE

DE	60 2009 016 331.0	12/11/2009	EP2426808	3/7/2012	CONTACTLESS POWER TRANSMISSION DEVICE
ES	11188577.8	12/11/2009	ES2423407	9/20/2013	CONTACTLESS POWER TRANSMISSION DEVICE
FR	11188577.8	12/11/2009	EP2426808	3/7/2012	CONTACTLESS POWER TRANSMISSION DEVICE
GB	11188577.8	12/11/2009	EP2426808	3/7/2012	CONTACTLESS POWER TRANSMISSION DEVICE
IT	11188577.8	12/11/2009	EP2426808		CONTACTLESS POWER TRANSMISSION DEVICE
NL	11188577.8	12/11/2009	EP2426808		CONTACTLESS POWER TRANSMISSION DEVICE
EP	11 188 583.6	11/10/2011			CONTACTLESS POWER TRANSMISSION DEVICE
CN	200980101 003.1	5/14/2010	2009801010 03.1	8/20/2014	Contactless power transmission device
CN	201310045 802.X	12/11/2009			Non-contact power transmission apparatus
CN	201310045 713.5	12/11/2009			Control method for power transmission of non-contact power transmission apparatus, and non-contact power transmission apparatus
CN	201310046 073.X	12/11/2009			Control method for power transmission of non-contact power transmission apparatus, and non-contact power transmission apparatus
JP	2011- 540608	6/12/2011	5266397	5/10/2013	Non-contact power transmission device
JP	2013- 041858	3/4/2013	5651724	11/21/2014	Non-contact power transmission device
WO	PCT/KR20 09/007430	12/11/2009	WO/2010/06 8062	6/17/2010	CONTACTLESS POWER TRANSMISSION DEVICE
US	12/741,534	5/5/2010	8552593	10/8/2013	Non-contact power transmission apparatus
US	13/162,861	6/17/2011	8436492	5/7/2013	Non-contact power transmission apparatus
US	13/162,886	6/17/2011	8427011	4/23/2013	Non-contact power transmission apparatus
US	13/940,648	7/12/2013			NON-CONTACT POWER TRANSMISSION APPARATUS
US	14/798,440	7/13/2015			
US	13/923,182	6/20/2013			NON-CONTACT POWER TRANSMISSION APPARATUS
US	13/762,667	2/8/2013	8760010	6/24/2014	Contactless power transmission device

US	13/857,858	4/5/2013			NON-CONTACT POWER TRANSMISSION APPARATUS
KR	10-2008-0041255	5/2/2008	1006187	12/29/2010	WIRELESS CHARGING SYSTEM
KR	2007-0123749	11/30/2007	KR0971737	2010.07.15	MULTIPLE NON-CONTACT CHARGING SYSTEM OF WIRELESS POWER TRANSMISSION AND CONTROL METHOD THEREOF
KR	2007-0123751	11/30/2007	998683	2010.11.30	NON-CONTACT POWER RECEIVING DEVICE FOR MULTIPLE WIRELESS CHARGING
KR	2007-0123752	11/30/2007	971734	2010.07.15	NON-CONTACT POWER TRANSFER DEVICE FOR MULTIPLE WIRELESS CHARGING
EP	08 159 822.9	7/7/2008			Contactless multi-charger system and controlling method thereof
EP	13 186 429.0	9/27/2013			Contactless multi-charger system and controlling method thereof
EP	13 185 384.8	9/20/2013			Contactless multi-charger system and controlling method thereof
EP	13 186 449.8	9/27/2013			Contactless multi-charger system and controlling method thereof
CN	200810127 686.5	7/7/2008	2008101276 86.5	5/30/2012	Contactless multi-charger system and controlling method thereof
JP	2008-191385	7/24/2008	2009-136133	6/18/2009	MULTIPLE NON-CONTACT CHARGING SYSTEM AND CONTROL METHOD THEREOF
WO	PCT/KR20 07/006678	12/20/2007	WO/2009/06 9844	6/4/2009	MULTIPLE NON-CONTACT CHARGING SYSTEM OF WIRELESS POWER TRANSMISSION AND CONTROL METHOD THEREOF
US	12/166,483	7/2/2008	8102147	1/24/2012	Wireless multi-charger system and controlling method thereof
US	13/755,931	1/31/2013			WIRELESS MULTI-CHARGER SYSTEM AND CONTROLLING METHOD THEREOF
US	13/875,748	5/2/2013	US 2013-0300355 A1	11/14/2013	WIRELESS MULTI-CHARGER SYSTEM AND CONTROLLING METHOD THEREOF
US	14/457,095	8/11/2014			WIRELESS MULTI-CHARGER SYSTEM AND CONTROLLING METHOD THEREOF
KR	2007-0123750	11/30/2007	971748	2010.07.15	WIRELESS POWER TRANSFER DEVICE FOR MULTIPLE WIRELESS CHARGING WITHIN CHARGING AREA

EP	08 159 326.1	6/30/2008			Contactless power charging system
CN	201110301 339.1	6/30/2008	102355037		Wireless power transmission apparatus for multiple power receiving apparatuses
CN	200810129 183	6/30/2008	CN1014476 84	6/3/2009	WIRELESS CHARGING SYSTEM
JP	2008- 180740	7/10/2008	5238384	4/5/2013	Wireless power transmitting device and method for short distance
JP	2013- 017856	1/31/2013	5611383	9/12/2014	Wireless power transfer device for multiple wireless charging within charging area
WO	PCT/KR20 08/001238	3/5/2008	WO/2009/06 9859	6/4/2009	Wireless power transfer device for multiple wireless charging within charging area
US	12/147,071	6/26/2008			Wireless Power Charging System

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