505204517 11/26/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5251285

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEIKO EPSON CORPORATION	11/13/2018

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 10

Property Type	Number
Patent Number:	8541977
Patent Number:	7847438
Patent Number:	8004118
Patent Number:	8188709
Patent Number:	8378774
Patent Number:	8222860
Patent Number:	8134256
Patent Number:	8395352
Patent Number:	8314513
Patent Number:	8269375

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	0201-2213
NAME OF SUBMITTER:	MAENG-HO SHIN

PATENT 505204517 REEL: 047582 FRAME: 0816

SIGNATURE: /Maeng-Ho SHIN/	
DATE SIGNED: 11/26/2018	
Total Attachments: 4	
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source=0201-2213AssignmentAsFiled#page2.tif	
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source=0201-2213AssignmentAsFiled#page4.tif	

PATENT REEL: 047582 FRAME: 0817

RECORDATION FO	RM COVER SHEET	
PATENT	S ONLY	
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Seiko Epson Corporation	Name: Samsung Electronics Co., Ltd.	
	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) Neverther 13, 2018	Street Address: 129, Samsung-ro, Yeongtong-gu	
Execution Date(s) November 13, 2018 Assignment Merger Security Agreement Change of Name	City: Suwon-si, Gyeonggi-do	
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other	State: Zip: 16677	
	Additional name(s) & address(es) attached? Yes No document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s) 1) 8,541,977, 2) 7,847,438, 3) 8,004,118, 4) 8,188,709, 5) 8,378,774, 6) 8,222,860, 7) 8,134,256, 8) 8,395,352, 9) 8,314,513, and 10) 8,269,375 ached? Yes No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 10	
Name: Jefferson IP Law, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$	
Internal Address: Maeng-Ho SHIN	Authorized to be charged by credit card Authorized to be charged to deposit account	
Street Address: 1130 Connecticut Ave., NW, Suite 420	Enclosed None required (government interest not affecting title)	
City: Washington	8. Payment Information	
State: <u>DC</u> Zip:20036	a. Credit Card Last 4 Numbers Expiration Date	
Phone Number: 202-293-0804		
Fax Number: <u>202-403-3587</u>	b. Deposit Account Number	
Email Address: usdocketing@jeffersonip.com	Authorized User Name	
9. Signature: /Maeng-Ho SHIN/ Reg. #5: Signature	3,859 November 26, 2018 Date	
Maeng-Ho Shin Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Assignment of Patents

Assignor: Seiko Epson Corporation

1-6, Shinjuku 4-chome, Shinjuku-ku

Tokyo, Japan

Assignce: Samsung Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu

Suwon-si, Gyeonggi-do Republic of Korca 16677

Seike Epson Corporation ("Assignor"), in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby sells, assigns and transfers to Samsung Electronics Co., Ltd. ("Assignce") the entire and exclusive right, title and interest in and to Patent Rights.

The term "Patent Rights" means Listed Patents, Ancillary Patents, and Similar Rights.

The term "Listed Patents" means the patent applications and patents, including the any inventions disclosed therein, identified on Schedule A attached hereto and any and all substitutions, divisions, provisionals, conversions of provisionals, continuations, continuations-in-part, re-examinations, inter partes reviews, and post-grant reviews thereof, and any patents issuing from any of the foregoing, and any patent applications or patents from which any of the patent applications or patents of Schedule A claim priority or the benefit of the filing date.

The term "Ancillary Patents" means any and all U.S., foreign, international, PCT, EPO, convention and other patent applications and patents that claim priority on, or the benefit of a filing date of, or claim any of the inventions of, or are counterparts to, any of the Listed Patents or that issue from any of said applications. "Ancillary Patents" include, but are not limited to, any and all substitutions, divisions, provisionals, conversions of provisionals, continuations, continuations-in-part, re-examinations, inter partes reviews, post-grant reviews, and substitutes from or based on any of the foregoing.

The term "Similar Rights" means any rights that are similar to patent rights under the laws or regulations of any foreign country or jurisdiction. This Assignment will be expanded accordingly for the benefit of Assignee in include the Similar Rights.

This Assignment includes an assignment to Assignee of: (1) all rights applicable to the Patent Rights under the laws of any and all countries and jurisdictions and any and all conventions and treaties, (2) all rights of priority, privileges and benefits applicable to the Patent Rights or the inventions claimed thereby, (3) right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to the Patent Rights (4) any and all causes of action (either in law or in equity) for infringement of any of the Patent Rights including all rights to sue, counterclaim, and pursue damages, injunctive relief and other remedies for past, current, and future infringement of the Patent Rights, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale, assignment and transfer had not been made.

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The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF, Assignor has caused this Assignment of Patents to be signed in its corporate name by its duly authorized officer and its seal to be hereunto affixed on the date set forth below.

Agreed and Accepted:

Seiko Epson Corporation

Signature

Toshihiko Kobayashi

Printed Name

Deputy General Administrative Manager,

Intellectual Property Division

November 13, 2018

Assignment of Patents - Schedule A

<Issued Patent>

8,541,977	7,847,438	8,004,118	8,188,709	8,378,774
8,222,860	8,134,256	8,395,352	8,314,513	8,269,375

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PATENT REEL: 047582 FRAME: 0821