

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYOICHI SAOTOME	05/15/2018
NAOYUKI UEDA	05/15/2018
YUKI NAKAMURA	05/15/2018
YUKIKO ABE	05/15/2018
SHINJI MATSUMOTO	05/15/2018
YUJI SONE	05/15/2018
SADANORI ARAE	05/15/2018
MINEHIDE KUSAYANAGI	05/15/2018
RECEIVING PARTY DATA	
Name:	RICOH COMPANY, LTD.
Street Address:	3-6, NAKAMAGOME 1-CHOME, OHTA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	143-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15452886
CORRESPONDENCE DATA	
Fax Number:	(212)391-0525
<i>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.</i>	
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Correspondent Name:	PAUL TENG, COOPER & DUNHAM
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ATTORNEY DOCKET NUMBER:	2271/89444
NAME OF SUBMITTER:	PAUL TENG
SIGNATURE:	/Paul Teng/

PATENT

DATE SIGNED:	05/21/2018
Total Attachments: 5 source=89444--AssignmentAndRecordationCoverSheet#page1.tif source=89444--AssignmentAndRecordationCoverSheet#page2.tif source=89444--AssignmentAndRecordationCoverSheet#page3.tif source=89444--AssignmentAndRecordationCoverSheet#page4.tif source=89444--AssignmentAndRecordationCoverSheet#page5.tif	

FORM PTO-1595 (Substitute)		RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE	
(Rev. 8-96)		PATENTS ONLY		Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Ryoichi Saotome, Naoyuki Ueda, Yuki Nakamura, Yukiko Abe, Shinji Matsumoto, Yuji Sone, Sadanori Arae and Minehide Kusayanagi Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies): Name: RICOH COMPANY, LTD. Internal Address: _____ Street Address: 3-6, Nakamagome 1-chome, Ohta-ku City/State/Zip: Tokyo, 143-8555, JAPAN Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of Conveyance: <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Assignment <input type="checkbox"/> Other </div> <div> <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name </div> </div> Execution Date(s): May 15, 2018; May 15, 2018; May 15, 2018; May 15, 2018; May 15, 2018; May 15, 2018; May 15, 2018; May 15, 2018;			4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is (are): _____ <div style="display: flex;"> <div style="flex: 1;"> A. Patent Application No.(s) 15/452,886 </div> <div style="flex: 1;"> B. Patent No.(s) _____ </div> </div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Paul Teng Internal Address: _____ Street Address: COOPER & DUNHAM LLP 30 Rockefeller Plaza, 20th Floor City/State/Zip: New York, New York 10112			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR §3.41):\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 03-3125		
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Paul Teng, Reg. No. 40,837 Name of Person Signing </div> <div style="width: 30%;"> /Paul Teng/ Signature </div> <div style="width: 30%;"> May 21, 2018 Date </div> </div> Total Number of pages including cover sheet, attachments and document: 5					
OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450					

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I/we, the undersigned,

Hereby sell, assign and transfer to RICOH COMPANY, LTD., *a*
corporation of Japan, having a place of business at 3-6, Nakamagome 1-Chome,
Ohta-ku, Tokyo 143-8555 Japan, its successors, assigns and legal
representatives, the entire right, title and interest for all countries, in and to any and all
inventions which are disclosed and claimed, and as possessed by the undersigned, any and all
inventions which are disclosed but not claimed, in the application for United States Patent,
which was executed by the undersigned concurrently herewith and is entitled

FIELD-EFFECT TRANSISTOR, DISPLAY ELEMENT, IMAGE DISPLAY DEVICE, AND SYSTEM

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all
other applications for U.S. Letters Patent or other related properly rights in any and all foreign
countries which have been or shall be filed on any of said inventions disclosed in said
application; and in and to all original and reissued patents or related foreign documents which
have been or shall be issued on said inventions:

Authorize and request the Commissioner of Patents of the United States to issue to said
Assignee, the corporation above named, its successors, assigns and legal representatives, in
accordance with this assignment, any and all United States Letters Patent on said inventions or
any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of
any other kind for said inventions, or any of them; and may claim, in applications for said
foreign Letters Patent or other rights, the priority of the aforesaid United States patent
application under the provisions of the International Convention of 1883 and later modifications
thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under
any other available international agreement; and that, when requested, without charge to, but at
the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in
good faith the intent and purpose of this assignment, the undersigned or the undersigned's

executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: May 15, 2018

Ryoichi Saotome [L.S.]
Ryoichi Saotome

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Naoyuki Ueda [L.S.]
Naoyuki Ueda

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Yuki Nakamura [L.S.]
Yuki Nakamura

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Yukiko Abe [L.S.]
Yukiko Abe

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Shinji Matsumoto [L.S.]
Shinji Matsumoto

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Yuji Sone [L.S.]
Yuji Sone

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Sadanori Arae [L.S.]
Sadanori Arae

Witness: _____ [signature]
_____ [print name]
_____ [address]

Date: May 15, 2018

Minehide Kusayanagi [L.S.]
Minehide Kusayanagi

Witness: _____ [signature]
_____ [print name]
_____ [address]
