

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Takashi KAMITAKAHARA</td><td>01/28/2014</td></tr><tr><td>Yoshiaki MINAGAWA</td><td>01/25/2014</td></tr><tr><td>Takashi SUGIYAMA</td><td>01/28/2014</td></tr></tbody></table>	Name	Execution Date	Takashi KAMITAKAHARA	01/28/2014	Yoshiaki MINAGAWA	01/25/2014	Takashi SUGIYAMA	01/28/2014			
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>HITACHI MAXELL, LTD.</td></tr><tr><td>Street Address:</td><td>1-88, USHITORA 1-CHOME</td></tr><tr><td>City:</td><td>IBARAKI-SHI, OSAKA</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>567-8567</td></tr></table>	Name:	HITACHI MAXELL, LTD.	Street Address:	1-88, USHITORA 1-CHOME	City:	IBARAKI-SHI, OSAKA	State/Country:	JAPAN	Postal Code:	567-8567	
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PROPERTY NUMBERS Total: 2											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14237483</td></tr></tbody></table>	Property Type	Number	Application Number:	14237483							
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Application Number:	14237483										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	CHANDEL LAWRENCE										
Signature:	/Chandel Lawrence/ for James A. Oliff										
Date:	02/06/2014										
Total Attachments: 1 source=160017_Assignment#page1.tif											

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PATENT
REEL: 032166 FRAME: 0543

ASSIGNMENT

Insert	(1)	<u>Takashi KAMITAKAHARA</u>	(2)	<u>Yoshiaki MINAGAWA</u>
(1-8) Legal Name(s)	(3)	<u>Takashi SUGIYAMA</u>	(4)	<u></u>
of Inventor(s)	(5)	<u></u>	(6)	<u></u>
	(7)	<u></u>	(8)	<u></u>

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee	(9)	<u>HITACHI MAXELL, LTD.</u>
(10) Insert Address of Assignee	(10)	<u>1-88, Ushitora 1-chome, Ibaraki-shi, Osaka 567-8567, Japan</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	<u>INFRARED LENS UNIT, IMAGE CAPTURE MODULE, AND IMAGE CAPTURE DEVICE</u>
	(Attorney Docket No. <u>160017</u>),	filed on even date herewith or as

(12) Alternative Identification for filed applications	(12)	<u>U.S. Application Number</u>
	filed	<u></u>

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of **OLIFF & BERRIDGE, PLC** the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>11/28/2014</u>	Inventor Signature <u>Takashi Kamitakahara</u> (SEAL)
Date <u>11/25/2014</u>	Inventor Signature <u>Yoshiaki Minagawa</u> (SEAL)
Date <u>11/28/2014</u>	Inventor Signature <u>Takashi Sugiyama</u> (SEAL)
Date <u></u>	Inventor Signature <u></u> (SEAL)
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Date <u></u>	Inventor Signature <u></u> (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u></u>	Witness <u></u>
Date <u></u>	Witness <u></u>