

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2692952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANYO SEMICONDUCTOR CO., LTD.	01/22/2014
RECEIVING PARTY DATA	
Name:	SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
Street Address:	5005 EAST MCDOWELL ROAD
Internal Address:	A700
City:	PHOENIX
State/Country:	ARIZONA
Postal Code:	85008
PROPERTY NUMBERS Total: 41	
Property Type	Number
Application Number:	12271340
Application Number:	12936116
Application Number:	12936127
Application Number:	12936106
Application Number:	12652334
Application Number:	12568487
Application Number:	12787179
Application Number:	12794349
Application Number:	12794281
Application Number:	12796850
Application Number:	12837029
Application Number:	13013263
Application Number:	13012577
Application Number:	12690993

Application Number:	12978958
Application Number:	13013234
Application Number:	13008414
Application Number:	12269566
Application Number:	12607754
Application Number:	12693950
Application Number:	12972303
Application Number:	12972317
Application Number:	12958256
Application Number:	11714906
Application Number:	11958531
Application Number:	12438879
Application Number:	11856481
Application Number:	11862585
Application Number:	11861829
Application Number:	11942506
Application Number:	12415423
Application Number:	12538304
Application Number:	12549762
Application Number:	12570209
Application Number:	12753510
Application Number:	12787052
Application Number:	12764609
Application Number:	12837163
Application Number:	12862909
Application Number:	12972281
Application Number:	12636405

CORRESPONDENCE DATA

Fax Number: (602)244-3169
 Phone: 602-244-3676
 Email: patents@onsemi.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC
 Address Line 1: 5005 EAST MCDOWELL ROAD
 Address Line 2: A700
 Address Line 4: PHOENIX, ARIZONA 85008

PATENT

REEL: 032022 FRAME: 0270

	US CASE TRANSFERS
NAME OF SUBMITTER:	KELLY A NELSON
Signature:	/Kelly A. Nelson/
Date:	01/22/2014
Total Attachments: 8 source=2014.01.22_SSC_to_SCI_Assignment#page1.tif source=2014.01.22_SSC_to_SCI_Assignment#page2.tif source=2014.01.22_SSC_to_SCI_Assignment#page3.tif source=2014.01.22_SSC_to_SCI_Assignment#page4.tif source=2014.01.22_SSC_to_SCI_Assignment#page5.tif source=2014.01.22_SSC_to_SCI_Assignment#page6.tif source=2014.01.22_SSC_to_SCI_Assignment#page7.tif source=2014.01.22_SSC_to_SCI_Assignment#page8.tif	

ASSIGNMENT

WHEREAS, Sanyo Semiconductor Co., Ltd., a Japanese company with its office address at 1-1-1, Sakata, Oizumi-Machi, Ora-gun, Gunma 370-0596, Japan (the "Assignor"), owns certain issued worldwide patents and patent applications as specifically set forth in the attached Schedule A;

WHEREAS, Assignor desires to assign any and all right, title and interest to said worldwide patents and patent applications set forth in Schedule A, which includes any and all past, present, and future, provisional, non-provisional, continuation, continuation-in-part, divisional, international, foreign, regional and convention applications corresponding thereto, and any and all Letters Patent of the U.S. and countries and regions foreign thereto which may grant or have granted thereto or be lodged in relation thereto, any reissue or reexamination thereof or to be obtained therefor, any renewals, or substitutes thereof, and any and all priority rights or priority claims, International Convention rights, any and all rights to collect past damages for infringement of any and all Letters Patent of the U.S. and countries and regions foreign thereto which may be published, which may grant, or have granted thereto or be lodged in relation thereto, and other benefits accruing to or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the U.S. and countries foreign thereto (the "Patent Rights");

WHEREAS, Semiconductor Components Industries, LLC, a limited liability company of the State of Delaware, U.S.A. with its principal place of business at 5005 East McDowell Road, Phoenix, Arizona 85008 U.S.A (the "Assignee") desires to obtain any and all, right, title, and interest of Assignor in and to the invention(s), the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor;

WHEREAS, Sanyo Semiconductor Co., Ltd. is a wholly-owned subsidiary of Semiconductor Components Industries, LLC;

NOW THEREFORE, for the sum of \$10.00 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and transferred and by these presents does hereby assign and transfer to the said Assignee, and said Assignee's legal representatives, successors and assigns, any and all of the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the said Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration, execute such additional assignments and other writings and do such additional acts as said Assignee may deem reasonably necessary or desirable to perfect the Assignee's enjoyment of this grant, and render necessary assistance in making application for and obtaining original, provisionals, non-provisionals, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent of the U.S., or of any and all foreign countries, on said Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or causes in action accruing as a result of such Patent Rights, by giving testimony in any proceedings or transactions involving such Patent Rights, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties;

UPON SAID CONSIDERATION, Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey any and all right, title, and interest in the

Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party;

ASSIGNOR HEREBY AUTHORIZES said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the patents and/or patent applications and otherwise take advantage of the provisions of any international conventions.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

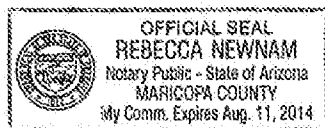
Date: January 22nd, 2014 By: B. Gutmann
Bernard Gutmann
Director
Sanyo Semiconductor Co., Ltd.

STATE OF ARIZONA §
COUNTY OF MARICOPA §

On this 22nd day of January, 2014, before me a Notary Public in and for said county, personally appeared Bernard Gutmann who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.

Rebecca Newnam
Notary Public


My commission expires: August 11, 2014



ACCEPTANCE OF ASSIGNMENT


The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date and in the place set forth below.

Date: January 22, 2014 By: 
George H. Cave
Secretary
Semiconductor Components Industries, LLC

STATE OF ARIZONA §
COUNTY OF MARICOPA §

On this 22nd day of January, 2014, before me a Notary Public in and for said county, personally appeared George H. Cave who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.


Notary Public

My commission expires: August 11, 2014



SCHEDULE A

Docket Number	Country	Publication Number	Application Date	Application Number	Title
200703325	USA	20090121339	11/14/2008	12/271340	SEMICONDUCTOR MODULE AND IMAGE PICKUP APPARATUS
200801862	USA	20110102612	12/29/2010	12/936116	VIBRATION CORRECTION CONTROL CIRCUIT FOR CORRECTING DISPLACEMENT OF AN OPTICAL AXIS DUE TO VIBRATION INCLUDING CAMERA SHAKE AND IMAGE PICKUP APPARATUS EQUIPPED THEREWITH
200801863	USA	20110102609	12/03/2010	12/936127	VIBRATION CORRECTION CONTROL CIRCUIT FOR CORRECTING DISPLACEMENT OF AN OPTICAL AXIS DUE TO VIBRATION INCLUDING CAMERA SHAKE AND IMAGE PICKUP APPARATUS EQUIPPED THEREWITH
200801865	USA	20110102611	12/29/2010	12/936106	VIBRATION CORRECTION CONTROL CIRCUIT FOR CORRECTING DISPLACEMENT OF AN OPTICAL AXIS DUE TO VIBRATION INCLUDING CAMERA SHAKE AND IMAGE PICKUP APPARATUS EQUIPPED THEREWITH
200804056	USA	20100171723	01/05/2010	12/652334	SIGNAL PROCESSING DEVICE OF TOUCH PANEL
200803328	USA	20100078833	09/28/2009	12/568487	CIRCUIT DEVICE AND METHOD OF MANUFACTURING THE SAME

Initialed: PHC
George H. Cave
Secretary

Semiconductor Components Industries, LLC
Date: January 22, 2014

Initialed: BGS
Bernard Gutmann
Director

Sanyo Semiconductor Co., Ltd.
Date: January 22, 2014

SCHEDULE A

Docket Number	Country	Publication Number	Application Date	Application Number	Title
200900686	USA	20100296607	05/25/2010	12/787179	RECEIVING APPARATUS FOR RECEIVING SIGNALS THROUGH ADAPTIVE ARRAY ANTENNA
200901547	USA	20100307840	06/04/2010	12/794349	SIGNAL PROCESSING CIRCUIT FOR ELECTROSTATIC CAPACITOR TYPE TOUCH SENSOR
200901549	USA	20100309165	06/04/2010	12/794281	SIGNAL PROCESSING CIRCUIT OF ELECTROSTATIC CAPACITY TYPE TOUCH PANEL
200901653	USA	20100315363	06/09/2010	12/796850	SIGNAL PROCESSING CIRCUIT FOR ELECTROSTATIC CAPACITY TYPE TOUCH SENSOR
200901928	USA	20110012863	07/15/2010	12/837029	SIGNAL PROCESSING CIRCUIT FOR ELECTROSTATIC CAPACITY TYPE TOUCH SENSOR
200903329	USA	20110181211	01/25/2011	13/013263	DRIVE CONTROL CIRCUIT FOR LINEAR VIBRATION MOTOR
200903330	USA	20110181209	01/24/2011	13/012577	DRIVE CONTROL CIRCUIT FOR LINEAR VIBRATION MOTOR
200804074	USA	20100181951	01/21/2010	12/690993	MOTOR DRIVE CIRCUIT

Initialed: GH
George H. Cave
Secretary
Semiconductor Components Industries, LLC
Date: January 22, 2014

Initialed: BGS
Bernard Gutmann
Director
Sanyo Semiconductor Co., Ltd.
Date: January 22, 2014

SCHEDULE A

Docket Number	Country	Publication Number	Application Date	Application Number	Title
200903398	USA	20110156631	12/27/2010	12/978958	MOTOR DRIVE CIRCUIT FOR ROTATING A ROTOR BY SUPPLYING THE CURRENTS TO TWO COILS
200903524	USA	20110181210	01/25/2011	13/013234	DRIVE CONTROL CIRCUIT FOR LINEAR VIBRATION MOTOR
201000038	USA	20110175449	01/18/2011	13/008414	POWER SUPPLY CIRCUIT
200703633	USA	20090137282	11/12/2008	12/269566	CIRCUIT FOR DRIVING LIGHT-EMITTING ELEMENT, AND CELLULAR PHONE
200803731	USA	20100111123	10/28/2009	12/607754	DRIVER CIRCUIT OF LIGHT-EMITTING ELEMENT
200900054	USA	20100191528	01/26/2010	12/693950	SPEECH SIGNAL PROCESSING APPARATUS
200901730	USA	20110150243	12/17/2010	12/972303	CHARGING CIRCUIT AND AMPLIFIER
200901731	USA	20110150239	12/17/2010	12/972317	SIGNAL PROCESSING CIRCUIT
200902365	USA	20110128657	12/01/2010	12/958256	SEMICONDUCTOR APPARATUS
200601167	USA	20070210437	03/07/2007	11/714906	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF
200602581	USA	20090152628	12/18/2007	11/958531	SEMICONDUCTOR DEVICE WITH DIFFUSED MOS TRANSISTOR AND MANUFACTURING METHOD OF THE SAME

Initialed: GM
George H. Cave
Secretary
Semiconductor Components Industries, LLC
Date: January 22, 2014

Initialed: BGS
Bernard Gutmann
Director
Sanyo Semiconductor Co., Ltd.
Date: January 22, 2014

SCHEDULE A

Docket Number	Country	Publication Number	Application Date	Application Number	Title
200602855	USA	20100065929	04/02/2009	12/438879	SEMICONDUCTOR DEVICE
200603120	USA	20080067617	09/17/2007	11/856481	SEMICONDUCTOR DEVICE HAVING DRAIN/SOURCE SURROUNDED BY IMPURITY LAYER AND MANUFACTURING METHOD THEREOF
200603262	USA	20080164556	09/27/2007	11/862585	SEMICONDUCTOR DEVICE
200603374	USA	20080079073	09/26/2007	11/861829	SEMICONDUCTOR DEVICE
200603748	USA	20080135967	11/19/2007	11/942506	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME
200703987	USA	20100244210	03/31/2009	12/415423	LEAD FRAME AND METHOD FOR MANUFACTURING CIRCUIT DEVICE USING THE SAME
200802547	USA	20100044821	08/10/2009	12/538304	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF
200802621	USA	20100052125	08/28/2009	12/549762	RESIN SEALING TYPE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME, AND LEAD FRAME
200803498	USA	20100013008	09/30/2009	12/570209	SEMICONDUCTOR DEVICE COVERED BY FRONT ELECTRODE LAYER AND BACK ELECTRODE LAYER

Initialed: ME
George H. Cave
Secretary
Semiconductor Components Industries, LLC
Date: January 22, 2014

Initialed: BGS
Bernard Gutmann
Director
Sanyo Semiconductor Co., Ltd.
Date: January 22, 2014

SCHEDULE A

Docket Number	Country	Publication Number	Application Date	Application Number	Title
200900050	USA	20100254544	04/02/2010	12/753510	AMPLIFIER CIRCUIT OF CAPACITOR MICROPHONE
200900782	USA	20100301411	05/25/2010	12/787052	SEMICONDUCTOR DEVICE
200901126	USA	20100274954	04/21/2010	12/764609	PROGRAM UPDATE SYSTEM AND ELECTRONIC DEVICE WITH PROGRAM UPDATE FUNCTION
200901603	USA	20110033194	07/15/2010	12/837163	REMOTE CONTROL SIGNAL RECEIVING CIRCUIT
200902660	USA	20110062890	08/25/2010	12/862909	DRIVE CIRCUIT
200901584	USA	20110150238	12/17/2010	12/972281	RECEIVING APPARATUS
200803822	USA	20100159670	12/11/2009	12/636405	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE WITH A DUMMY LAYER

Initialed: LMC
George H. Cave
Secretary
Semiconductor Components Industries, LLC
Date: January 22, 2014

Initialed: BGS
Bernard Gutmann
Director
Sanyo Semiconductor Co., Ltd.
Date: January 22, 2014