PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Francois Roy	05/21/2012
Francois Leverd	05/22/2012
Jens Prima	05/25/2012

RECEIVING PARTY DATA

Name:	STMicroelectronics (Crolles 2) SAS	
Street Address:	850, rue Jean Monnet	
City:	Crolles Cedex	
State/Country:	FRANCE	
Postal Code:	38921	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13483274

CORRESPONDENCE DATA

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NAME OF SURMITTED	
ATTORNEY DOCKET NUMBER:	361170-1206

Total Attachments: 4

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> PATENT REEL: 028286 FRAME: 0446

OF \$40.00 13483274

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT is made by Francois Roy, Francois Leverd and Jens Prima (hereinafter referred to as Assignors), residing at 35 rue des Fenouilleres, 38180 Seyssins, FRANCE; 546 chemin de Pratel, 38330 Saint Ismier, FRANCE; and Am Lohhain 6, 57074 Siegen, GERMANY, respectively;

	WHEREAS, Assignors have invented certain new and usefu	l improvements in
PROCE	ESS FOR FABRICATING A BACKSIDE-ILLUMINAT	TED IMAGING
DEVIC	E AND CORRESPONDING DEVICE, set forth in a Pater	nt application for
Letters P	Patent of the United States, either filed herewith or filed on	as
Applicat	ion No; and	

WHEREAS, STMicroelectronics (Crolles 2) SAS, a Corporation organized under and pursuant to the laws of France having its principal place of business at 850, rue Jean Monnet, 38921 Crolles Cedex, FRANCE (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or

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PATENT REEL: 028286 FRAME: 0447 terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

GARDERE WYNNE SEWELL LLP

All practitioners at Customer Number 32914

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	21 May 2012	Signature:	Roy D. Francois Roy
Date:	22 Pay 2012	Signature:	Francois Leverd
Date:		Signature:	Jens Prima

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GARDERE WYNNE SEWELL LLP

All practitioners at Customer Number 32914

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Date:	21st May 2012	Signature:	Rug D. Francois Roy
Date:		Signature:	Francois Leverd
Date:	25th May 2012	Signature:	Jeprs Prima

RECORDED: 05/30/2012