502982449 09/18/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3029048

		NEW ASSIGNMENT		
NATURE OF CONVEYAN	NCE:	CE: ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ			
	Name		Execution Date	
NING LU			08/12/2014	
KEN HU			08/12/2014	

217 DEVCON DRIVE		
SAN JOSE		
CALIFORNIA		
95112		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14451150

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NAME OF SUBMITTER:		SHEILA R. HARTER			
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DATE SIGNED:		09/18/2014			
Total Attachments: 3	-				
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source=73748InventorAssignment#page3.tif					

Docket No. 73748/S1421

ASSIGNMENT

WHEREAS, WE, NING LU and KEN HU (hereafter, called "ASSIGNORS"), residing in Saratoga, California and Cupertino, California, respectively, have invented certain new and useful improvements disclosed in U.S. Application No. 14/451,150 for United States Letters Patent entitled APPARATUS AND METHOD FOR COMPACT BIT-PLANE DATA COMPRESSION, filed August 4, 2014, together with a claim of benefit to U.S. Provisional Application No. 61/886,580, filed October 3, 2013 (hereafter, called "Non-Provisional Application").

AND WHEREAS SAMSUNG SEMICONDUCTOR, INC. ("SSI"), a California corporation having a place of business at 217 Devcon Drive, San Jose, California 95112 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE"), wants to acquire the entire right, title and interest in and to said Non-Provisional Application, and all of the improvements disclosed therein, and ASSIGNORS are willing to enter into such Assignment.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said Non-Provisional Application and all divisionals and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment:

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

PATENT REEL: 033771 FRAME: 0454

ASSIGNMENT Docket No. 73748/S1421

IN TESTIMONY WHEREOF, I hereunto set my hand this $\frac{12}{20}$ _day of Ning Lu

Witness 1 Signature Name (print) (C.M muniuna 8 12/14 Date Witness 2

Signature_ Hoffman Name (print)_ 17 8 Date 10

-2-

PATENT REEL: 033771 FRAME: 0455

1.2.1

Joint

ASSIGNMENT Docket No. 73748/S1421

IN TESTIMONY WHEREOF, I hereunto set my hand this 12 day of Augur 1 2014

Ken Hu

Joint

Witness 1 MyK Signature MUNJUNG K.M Name (print) 8/12/14 Date Witness 2 Signature Hoffman Name (print) David 8 Date

JEJ/srh

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PATENT REEL: 033771 FRAME: 0456

RECORDED: 09/18/2014