503714844 02/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3761485

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GRANDIS, INC.	02/24/2016

RECEIVING PARTY DATA

Name:	SAMSUNG SEMICONDUCTOR, INC	
Street Address:	reet Address: 3655 NORTH FIRST STREET	
City:	SAN JOSE	
State/Country:	e/Country: CALIFORNIA	
Postal Code:	95134	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Patent Number:	8254162	

CORRESPONDENCE DATA

Fax Number: (626)577-8800

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.

Phone: 626-795-9900 Email: pto@lrrc.com

Correspondent Name: LEWIS ROCA ROTHGERBER CHRISTIE LLP

Address Line 1: PO BOX 29001

Address Line 4: GLENDALE, CALIFORNIA 91209

ATTORNEY DOCKET NUMBER:	S10/1500/JEJ/DMW
NAME OF SUBMITTER:	DEREK WIBBEN
SIGNATURE:	/Derek Wibben/
DATE SIGNED:	02/29/2016

Total Attachments: 1

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PATENT 503714844 REEL: 037855 FRAME: 0587

ASSIGNMENT

WHEREAS, GRANDIS, INC., a Delaware corporation, having a business address of 1123 Cadillac Court, Milpitas, California, 95035 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNOR") is a joint assignee of record of U.S. Patent No. 8,254,162, having application serial number 12/685,418 (hereinafter referred to as "PATENT").

AND WHEREAS, SAMSUNG SEMICONDUCTOR INC., a California corporation, having a place of business at 3655 North First Street, San Jose, California, 95134 (hereafter, together with lany successors, legal representatives or assigns thereof, called "ASSIGNEE") has acquired and wants to acquire the entire right, title and interest in and to said PATENT and all inventions therein, and ASSIGNOR is willing to enter into such assignment.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE ASSIGNOR'S entire right, title and interest in and to said PATENT and all continuations, divisions, reexaminations, reissues and substitutes thereof, and said inventions therein, 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 inventions in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said inventions 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 inventions to ASSIGNEE in accordance with the terms of this Assignment;

ASSIGNOR hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR hereby further covenants and agrees that it will communicate to ASSIGNEE any and all facts known to it respecting said PATENT, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said invention in all countries.

IN 20	TESTIMONY WHEREOF, I hereunto	set my hand this	24 day of	Fly
		GRANDIS, INC) .	

By Mohamad Krounbi

Senior Vice President, GRANDIS, INC.

JEJ/rav

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PATENT REEL: 037855 FRAME: 0588

RECORDED: 02/29/2016