502513111 09/27/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Brian S. Doyle	09/25/2013
Uday Shah	09/25/2013
Roza Kotlyar	09/25/2013
Charles C. Kuo	09/25/2013

RECEIVING PARTY DATA

Name:	Intel Corporation
Street Address:	2200 Mission College Boulevard
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14039696

CORRESPONDENCE DATA

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

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ATTORNEY DOCKET NUMBER:	42P55566
NAME OF SUBMITTER:	Jeremy A. Schweigert
Signature:	/Jeremy A. Schweigert/
	PATENT

PATENT REEL: 031301 FRAME: 0409 14039696

Date:	09/27/2013
Total Attachments: 2 source=P55566_Assignment#page1.tif source=P55566_Assignment#page2.tif	

PATENT REEL: 031301 FRAME: 0410

Attorney Docket No.: P55566

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Brian S. Doyle, Uday Shah, Roza Kotlyar, and Charles C. Kuo

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

VERTICAL TRANSISTOR DEVICES FOR EMBEDDED MEMORY AND LOGIC TECHNOLOGIES

I hereby authorize and request my attorney, associated with customer number 45209, to insert on the designated ines below, the filing date and application number of said application when known.)			
which was filed on	September 27, 2013	as	

United States Application Number 14/039,696 and COUNTRY or International Office

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and

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the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Brian S. Doyle

Jeav Shah

Roza Kotlyar

Charles C. Kuo

Date signed

Sate signed

9/25/2013 Date signed

Date signed