503176024 02/11/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3222638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT STARKSTON	09/29/2014
JOHN GUZEK	10/06/2014
PATRICK NARDI	12/01/2014
KEITH JONES	12/01/2014
JAVIER SOTO GONZALEZ	02/11/2015

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:	14498958

CORRESPONDENCE DATA

Fax Number: (408)720-8383

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: (408) 720-8300

Email: sarah_spalletta@bstz.com

Correspondent Name: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Address Line 1: 1279 OAKMEAD PARKWAY

Address Line 4: SUNNYVALE, CALIFORNIA 94085-4040

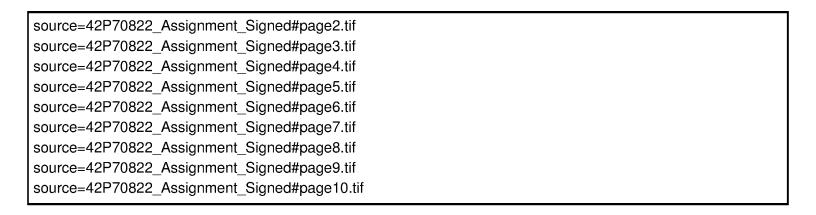
ATTORNEY DOCKET NUMBER:	42P70822
NAME OF SUBMITTER:	SARAH C. SPALLETTA
SIGNATURE:	/Sarah C. Spalletta/
DATE SIGNED:	02/11/2015

Total Attachments: 10

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PATENT REEL: 034942 FRAME: 0075

503176024



PATENT REEL: 034942 FRAME: 0076

<u>ASSIGNMENT</u>

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

Robert STARKSTON; John GUZEK; Patrick NARDI; Keith JONES; Javier SOTO GONZALEZ

hereby seil, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2300 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:

PANEL LEVEL FABRICATION OF PACKAGE SUBSTRATES WITH INTEGRATED STIFFENERS

(I hereby authorize and request my attorney, associated with customer number 45209, to insert on the designated lines below, the filing date and application number of said application when known.)

which	h was filed on	Septe	mber 26, 2014		
CO	,	itates emational Office	Application Number	14/498.958	and

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

end 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 ouths, 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 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

Joset Lakt	<u> 9/29/2614</u> Date signed
Robert STARKSTON	Date signed
John GUZEK	Date signed
Patrick NA RDI	Date signed

Keith JONES	Date signed
Javier SOTO GONZALEZ	Date signed

<u>ASSIGNMENT</u>

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

Robert STAKSTON; John GUZEK; Patrick NARDI; Keith JONES; Javier SOTO GONZALEZ

hereby sell, assign, and transfer to:

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SUBSTRATE WITH INTEGRATED STIFFENER

(I hereby authorize and re lines below, the filing date	equesi my attorney. and application n	, associated with cust imber of said applics	omer number 45209, to ition when known.)	insert on the designated
which was filed or	Septer	<u>nixer 26, 2014</u>	as	
	<u>States</u> nternational Office	Application Number	1-1/498.958	and

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Robert STAKSTON	Date signed
	10/6/14
John GUZEK	Date signed
Patrick NARDI	Date signed
Keith JONES	Date signed
Javier SOTO GONZALEZ	Date signed

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which was filed on Ser	otember 26, 2014	as	
United States	Application Number	14/498,958	and
COLINTRY or International Office			

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Robert STARKSTON	Date signed
John GUZEK	Date signed
Carl fail.	12/1/2014
Patrick NARDI	/ Date signed
Keith JONES	Date signed
Lavier SOTO CONZALEZ	Date signed

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which was filed on	September 26, 2014		
United States COUNTRY or Internatio	Application Number	14/498,958	and

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Robert STARKSTON	Date signed
John GUZEK	Date signed
Patrick NARDI	Date signed
Keith JONES Toner	12/1/2014 Date signed
Javier SOTO GONZALEZ	Date signed

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Robert STARKSTON	Date signed
John GUZEK	Date signed
Patrick NARDI	Date signed
Keith JONES	Date signed
<u> </u>	2/11/15
Javier SOTO GONZALEZ	Date signed