506318385 10/23/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6365136

NATURE OF CONVEYANCE: Corrective Assignment to correct the LAST NAME OF THE 7TH ASSIGNOR previously recorded on Reel 047767 Frame 0010. Assignor(s) hereby confirms the ASSIGNMENT.	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	NATURE OF CONVEYANCE:	ASSIGNOR previously recorded on Reel 047767 Frame 0010. Assignor(s)

CONVEYING PARTY DATA

Name	Execution Date
JOHN J. BROWNE	07/12/2017
TOMASZ KANTECKI	07/12/2017
CHRIS MACNAMARA	07/24/2017
PIERRE LAURENT	12/07/2018
SEAN HARTE	07/14/2017
PETER MCCARTHY	07/13/2017
JACQUELINE F. JARDIM	07/24/2017
LIANG MA	07/12/2017

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15635581

CORRESPONDENCE DATA

Fax Number:

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: (703) 424-0824

Email: annie@compassiplaw.com, bob@compassiplaw.com

Correspondent Name: GLEN B. CHOI

Address Line 1: 4804 NW BETHANY BLVD, STE. I-2 #237

Address Line 4: PORTLAND, OREGON 97229

ATTORNEY DOCKET NUMBER: P113114

NAME OF SUBMITTER: ANNIE PEARSON

PATENT REEL: 054190 FRAME: 0032

SIGNATURE:	/Annie Pearson/	
DATE SIGNED:	10/23/2020	
Total Attachments: 20		
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PATENT REEL: 054190 FRAME: 0033

505235126 12/13/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5281896

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN J. BROWNE	07/12/2017
TOMASZ KANTECKI	07/12/2017
CHRIS MACNAMARA	07/24/2017
PIERRE LAURENT	12/07/2018
SEAN HARTE	07/14/2017
PETER MCCARTHY	07/13/2017
JACQUELINE F. JARDIN	07/24/2017
LIANG MA	07/12/2017

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15635581

CORRESPONDENCE DATA

Fax Number: (317)231-7783

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: 317-231-1313
Email: ktyree@btlaw.com

Correspondent Name: BARNES & THORNBURG LLP Address Line 1: 11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	P113114/45631-261799
NAME OF SUBMITTER:	GLEN MADISON KELLETT
SIGNATURE:	/Glen Madison Kellett/

PATENT 505235126 REEL: 0**54700** FRAME: 00**30**

ASSIGNMENT

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

JOHN J. BROWNE; TOMASZ KANTECKI; CHRIS MACNAMARA; PIERRE LAURENT; SEAN HARTE; PETER MCCARTHY; JACQUELINE F. JARDIM; LIANG MA

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:

TECHNOLOGIES FOR SCALABLE NETWORK PACKET PROCESSING WITH LOCK-FREE RINGS

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	Jun e 28, 2017	as	
United States	Application Number	15/63 5,581	and

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

Page 1 of 3

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

John fra	Date signed
John Browne	Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	 Date signed
Teter MeCartiny	Date signed
	Date signed
	6

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John Browne	Date signed
Tomasz Kantechi	2017-07-12
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
Jacqueline F. Jardin	Date signed

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John Browne	Date signed
Tomasz Kantecki	Date signed
Oly Mac Wenova Chris MacNamara	He Jly Jul 7 Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
Jacqueline F. Jardin	Date signed

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John Browne	Date signed	
Tomasz Kantecki	Date signed	
Chris MacNamara	Date signed	
Pierre Laurent P. A. dansen	Date signed 7 dec 201	.8
Sean Harte	Date signed	
Peter McCarthy	Date signed	
Jacqueline F. Jardin	Date signed	

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John Browne	Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sex Nant	14 July 2017 Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
	Date signed

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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.

John Browne	Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter G Hearly	13/7/2017 Date signed
Peter McCarthy	Date signed
Jacqueline F. Jardin	 Date signed

Page 2 of 3

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John Browne	Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
Handin	24/07/2017
Jacqueline F. Jardin	Date signed

Page 2 of 3

<u> </u>	Liang Ma	12 07 7317 Date signed
Assignee:	INTEL CORPORATION	
Name of Rep	resentative of Legal Entity:	- Alaministic of the Common and American State Common Sta
Signature:		

DATE SIGNED:	12/13/2018
Total Attachments: 9	
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PATENT REEL: 054700 FRAME: 0044

ASSIGNMENT

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

JOHN J. BROWNE; TOMASZ KANTECKI; CHRIS MACNAMARA; PIERRE LAURENT; SEAN HARTE; PETER MCCARTHY; JACQUELINE F. JARDIM; LIANG MA

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:

TECHNOLOGIES FOR SCALABLE NETWORK PACKET PROCESSING WITH LOCK-FREE RINGS

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	June 28, 2017	. ,	as
United States	Application Number	15/635,581	and

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

Page 1 of 3

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

John from	12 July 2017
John Browne	Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
Jacqueline F. Jardin	Date signed

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John Browne	Date signed
Tomasz Kantechi Tomasz Kantecki	2017 - 07 - 12 Date signed
Tomasz Kantecki	Date signed
Chris MacNamara	Date signed
Pierre Laurent	Date signed
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John Browne	Date signed
Tomasz Kantecki	Date signed
Oly Dar Denova	Ste July Jol7
Chris MacNamara	Date signed
Pierre Laurent	Date signed
Sean Harte	Date signed
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Jacqueline F. Jardin	Date signed

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John Browne	Date signed
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Chris MacNamara	Date signed
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Peter McCarthy	Date signed
Jacqueline F. Jardin	Date signed

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John Browne	Date signed
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Peter McCarthy	13/7/2017 Date signed
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Page 2 of 3

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Pierre Laurent	Date signed
Sean Harte	Date signed
Peter McCarthy	Date signed
# Janding	24/07/2017
Jacqueline F. Jardin	Date signed

Page 2 of 3

	Gen/ llo	12 07. 7217
<u></u>	Liang/Ma	Date signed
	* #	
Anniamanı	INTEL CORPORATION	
Assignee: _	INTEL CONFORATION	
Name of Re	presentative of Legal Entity:	
Signature		

Page 3 of 3

PATENT REEL: 054790 FRAME: 0020

RECORDED: 19/23/2028