

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6436246

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the STATE OF THE ASSIGNEE previously recorded on Reel 035147 Frame 0090. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
ILANGO GANGA	09/01/2014
ALAIN GRAVEL	02/23/2015
THOMAS LOVETT	08/08/2014
RADIA PERLMAN	08/08/2014
GREG REGNIER	02/20/2015
ANIL VASUDEVAN	02/25/2015
HUGH WILKINSON	02/04/2015
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:	14496667
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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:	P61440
NAME OF SUBMITTER:	ANNIE PEARSON
SIGNATURE:	/Annie Pearson/

DATE SIGNED:

12/07/2020

Total Attachments: 30

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ASSIGNMENT

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

Ilango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan; Hugh Wilkinson

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:

ETHERNET ENHANCEMENTS

(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 September 25, 2014 as
US Application Number 14/496,667 and
COUNTRY or International Office

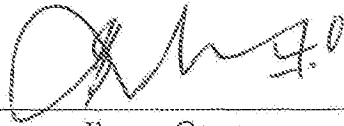
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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;

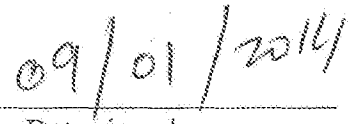
and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent 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 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.



Ilango Ganga



Date signed

Alain Gravel

Date signed

Thomas Lovett

Date signed

Radia Perlman

Date signed

Greg Regnier

Date signed

Anil Vasudevan

Date signed

Hugh Wilkinson

Date signed

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_____ Hango Ganga	_____ Date signed
 _____ Alain Gravel	 _____ Date signed
_____ Thomas Lovett	_____ Date signed
_____ Radia Perlman	_____ Date signed
_____ Greg Regnier	_____ Date signed
_____ Anil Vasudevan	_____ Date signed
_____ Hugh Wilkinson	_____ Date signed

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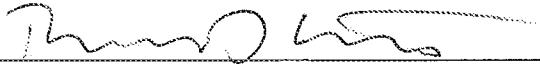
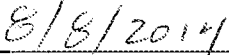
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_____ Ilango Ganga	_____ Date signed
_____ Alain Gravel	_____ Date signed
 _____ Thomas Lovett	 _____ Date signed
_____ Radia Perlman	_____ Date signed
_____ Greg Regnier	_____ Date signed
_____ Anil Vasudevan	_____ Date signed
_____ Hugh Wilkinson	_____ Date signed

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Ilango Ganga

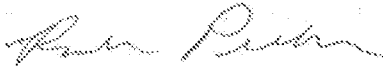
Date signed

Alain Gravel

Date signed

Thomas Lovett

Date signed



Radia Perlman

8/8/2014

Date signed

Greg Regnier

Date signed

Anil Vasudevan

Date signed

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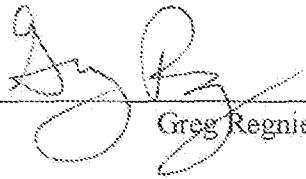
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Ilango Ganga	Date signed
Alain Gravel	Date signed
Thomas Lovett	Date signed
Radia Perlman	Date signed
 Greg Regnier	2-20-2015 Date signed
Anil Vasudevan	Date signed
Hugh Wilkinson	Date signed

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Greg Regnier	Date signed
 Anil Vasudevan	2/25/15 Date signed
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_____	_____
Greg Regnier	Date signed
_____	_____
Anil Vasudevan	Date signed
 _____	4-Feb-15
Hugh Wilkinson	Date signed

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3261991

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
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Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD
City:	SANTA CLARA
State/Country:	MINNESOTA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14496667
CORRESPONDENCE DATA	
Fax Number:	(603)668-2970
<i>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.</i>	
Phone:	603-668-6560
Email:	bcurrier@gtp.com
Correspondent Name:	EDMUND P. PFLEGER
Address Line 1:	C/O CPA GLOBAL
Address Line 2:	P.O. BOX 52050
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	P61440
NAME OF SUBMITTER:	EDMUND P. PFLEGER
SIGNATURE:	/Edmund P. Pfleger/
DATE SIGNED:	03/12/2015

PATENT

Total Attachments: 14

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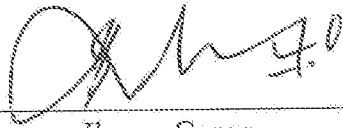
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and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; 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;

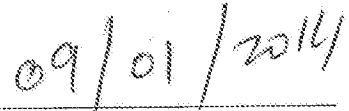
and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent 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 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.



Ilango Ganga



Date signed

Alain Gravel

Date signed

Thomas Lovett

Date signed

Radia Perlman

Date signed

Greg Regnier

Date signed

Anil Vasudevan

Date signed

Hugh Wilkinson

Date signed

ASSIGNMENT

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

**Ilango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan;
Hugh Wilkinson**

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:

ETHERNET ENHANCEMENTS

(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 September 25, 2014 as
US Application Number 14/496,667 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 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.

_____	_____
Hango Ganga	Date signed
	2/23/2015
Alain Gravel	Date signed
_____	_____
Thomas Lovett	Date signed
_____	_____
Radia Perlman	Date signed
_____	_____
Greg Regnier	Date signed
_____	_____
Anil Vasudevan	Date signed
_____	_____
Hugh Wilkinson	Date signed

ASSIGNMENT

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

**Hango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan;
Hugh Wilkinson**

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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:

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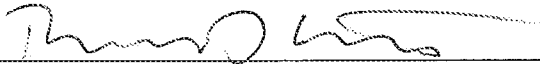
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and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; 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;

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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.

Ilango Ganga	Date signed
Alain Gravel	Date signed
 Thomas Lovett	8/8/2014 Date signed
Radia Perlman	Date signed
Greg Regnier	Date signed
Anil Vasudevan	Date signed
Hugh Wilkinson	Date signed

ASSIGNMENT

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

**Hango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan;
Hugh Wilkinson**

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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:

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US Application Number 14/496,667 and
 COUNTRY or International Office

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

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**Hango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan;
Hugh Wilkinson**

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which was filed on September 25, 2014 as
US Application Number 14/496,667 and
COUNTRY or International Office

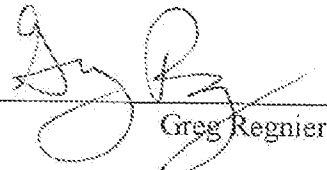
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maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and 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.

Ilango Ganga	Date signed
Alain Gravel	Date signed
Thomas Lovett	Date signed
Radia Perlman	Date signed
 Greg Regnier	2-20-2015 Date signed
Anil Vasudevan	Date signed
Hugh Wilkinson	Date signed

ASSIGNMENT

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

**Hango Ganga; Alain Gravel; Thomas Lovett; Radia Perlman; Greg Regnier; Anil Vasudevan;
Hugh Wilkinson**

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:

ETHERNET ENHANCEMENTS

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which was filed on September 23, 2014 as
US Application Number 14/496,667 and
COUNTRY or International Office

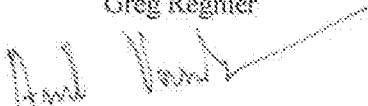
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and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; 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;

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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.

Ilango Ganga	Date signed
Alain Gravel	Date signed
Thomas Lovett	Date signed
Radia Perlman	Date signed
Greg Regnier	Date signed
 Anil Vasudevan	2/25/15 Date signed
Hugh Wilkinson	Date signed

ASSIGNMENT

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

**Ranga Gangoi, Alain Geavry, Thomas Lovett, Nadia Perlman, Greg Requier, And Vasilevski;
Raghu Wilkisson**

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 in 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:

ETHERNET ENHANCEMENTS

(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 September 22, 2014 at
US Application Number 14/298,687 and
EXAMINER or International Office

which has been received 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 renewed 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, renewed, reform, 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 Affidavits, assignments, powers of attorney, and other papers, communications to said Assignee, its successors, assigns, and legal representatives all being 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 carrying out

Attorney Docket No.: F61448

Maintaining proper patent protection for said inventions and improvements and for vesting title in said inventions and improvements, and all applications for patents and all patents on said improvements, to said Assignor, its successors, assigns, and legal representatives; and

consent with said Assignor, 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 or entered by the undersigned, and that full right to convey the same to third parties is possessed by the undersigned.

George Grogan	Date signed
Alain Couvrel	Date signed
Thomas Lovell	Date signed
Rudie Perlman	Date signed
Greg Rognier	Date signed
Andi Vasantharan	Date signed
 Hugh Williamson	4-FEB-15 Date signed