504610576 10/25/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4657289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KRISHNAMURTHY SURESH	10/09/2017
DEEPAK KUMAR GARG	10/09/2017
SAURABH KHAITAN	10/09/2017
SANJAY GUPTA	10/09/2017
SUDHANSHU JAYASWAL	10/09/2017
JOHN R. STICKLEY	10/11/2017
RUSSELL ELIAS VREELAND III	10/16/2017
RONALD JAMES SQUIERS	10/17/2017

RECEIVING PARTY DATA

Name:	MENTOR GRAPHICS CORPORATION	
Street Address:	8005 SW BOECKMAN RD.	
City:	WILSONVILLE	
State/Country:	OREGON	
Postal Code:	97070	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15792101

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.

Email: Libbey_krager@mentor.com

Correspondent Name: LIBBEY KRAGER

Address Line 1: 8005 SW BOECKMAN RD

Address Line 4: WILSONVILLE, OREGON 97070

ATTORNEY DOCKET NUMBER: 11307-REG2/XY

NAME OF SUBMITTER: LIBBEY KRAGER

SIGNATURE: /Libbey Krager/

DATE SIGNED: 10/25/2017

PATENT REEL: 043945 FRAME: 0955

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Total Attachments: 8 source=Assignment_11307_REG2#page1.tif source=Assignment_11307_REG2#page2.tif source=Assignment_11307_REG2#page3.tif source=Assignment_11307_REG2#page4.tif source=Assignment_11307_REG2#page5.tif source=Assignment_11307_REG2#page6.tif source=Assignment_11307_REG2#page7.tif source=Assignment_11307_REG2#page8.tif

PATENT REEL: 043945 FRAME: 0956

ASSIGNMENT AGREEMENT

WHEREAS, We, <u>Krishnamurthy Suresh</u>, residing at 223, Tower-8, Silver City, Sector-93, Noida 201301, Uttar Pradesh, INDIA, <u>Deepak Kumar Garg</u>, residing at Flat-1002, Tower-04, Lotus Boulevard, sector-100, Noida, 201301 Uttar Pradesh, INDIA, <u>Saurabh Khaitan</u>, residing at D103, ATS Greens 1, Sector 50, Noida, Uttar Pradesh -201301, INDIA, <u>Sanjay Gupta</u>, residing at K-502, Pearls Gateway Towers, Sector-44, Noida, 201301 Uttar Pradesh, INDIA, <u>Sudhanshu Jayaswal</u>, residing at C-201, Pocket 1, Kendriya Vihar -2, Sector 82, Noida, 201304, Uttar Pradesh, INDIA, <u>John R. Stickley</u>, residing at 311 3rd St., Lake Oswego, OR 97034, <u>Russell Elias Vreeland III</u>, residing at 127 14th St. Seal Beach, CA 90740, and <u>Ronald James Squiers</u>, residing at 5338 Willow Glen Place, Castro Valley, CA 94546, (hereafter collectively referred to as ASSIGNORS), are the inventors of certain inventions described in a U.S. patent application identified by Attorney Docket No. 11307-REG2 and having the title

Traffic Shaping In Networking System-On-Chip Verification

and

WHEREAS, Mentor Graphics Corporation, a corporation incorporated in the State of Oregon and having a place of business at 8005 SW Boeckman Drive, Wilsonville, Oregon 97070-7777 (hereafter referred to as ASSIGNEE), is desirous of confirming that it has already been assigned, or, if not already assigned, is desirous of acquiring the entire right, title and interest in and to said worldwide legal and beneficial right, title and interest in and to the aforesaid inventions, and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof that may be granted for said inventions, or as a result thereof in the United States of America (U.S.) and in any and all foreign countries, including the right to claim priority of the respective United States Patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

We hereby confirm that we did (under the law of the jurisdiction(s) where the inventions were conceived, reduced to practice and made, under the Intellectual Property Agreement And Confidentiality Agreement and/or under some other agreement with Mentor Graphics Corporation) sell, assign and transfer to the above named ASSIGNEE, or, to the extent we have not already done so, do sell, assign and transfer unto the above named ASSIGNEE, and its successors, assigns and legal representatives (hereafter referred to as NOMINEES) the entire right, title and interest in and to said inventions, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said inventions and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

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We covenant that we have full right to convey the entire interest herein assigned at the time of the sale, assignment and transfer, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

We further agree to communicate to said ASSIGNEE or its NOMINEES any facts known to us respecting said inventions, to execute all divisional, continuation, renewal, reissue and foreign applications for said inventions, sign all lawful documents and make all rightful oaths and declarations relating to said inventions, sign all lawful documents which the ASSIGNEE or its NOMINEES shall consider desirable for aiding in securing and maintaining proper protection for said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid said ASSIGNEE or its NOMINEES to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide, and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, when requested so to do by said ASSIGNEE or its NOMINEES; and

We authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof in any and all countries of the world, and for any and all divisions, reissues, continuations, extensions and renewals thereof, and we authorize and request the appropriate official of any country, to issue to said ASSIGNEE or its NOMINEES any and all Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof, and any and all divisions, reissues, continuations, extensions and renewals thereof for their sole use, to the full end of the term for which such may be granted;

Assignment	Attorney Docket No. 11307-REG2/XY
Inventor: John R. Stickley	Date
Inventor: Russell Elias Vreeland III	Date
Inventor: Ronald James Squiers	Date

ASSIGNMENT AGREEMENT

WHEREAS, We, Krishnamurthy Suresh, residing at 223, Tower-8, Silver City, Sector-93, Noida 201301, Uttar Pradesh, INDIA, Deepak Kumar Garg, residing at Flat-1002, Tower-04, Lotus Boulevard, sector-100, Noida, 201301 Uttar Pradesh, INDIA, Saurabh Khaitan, residing at D103, ATS Greens 1, Sector 50, Noida, Uttar Pradesh -201301, INDIA, Sanjay Gupta, residing at K-502, Pearls Gateway Towers, Sector-44, Noida, 201301 Uttar Pradesh, INDIA, Sudhanshu Jayaswal, residing at C-201, Pocket 1, Kendriya Vihar -2, Sector 82, Noida, 201304, Uttar Pradesh, INDIA, John R. Stickley, residing at 311 3rd St., Lake Oswego, OR 97034, Russell Elias Vreeland III, residing at 127 14th St. Seal Beach, CA 90740, and Ronald James Squiers, residing at 5338 Willow Glen Place, Castro Valley, CA 94546, (hereafter collectively referred to as ASSIGNORS), are the inventors of certain inventions described in a U.S. patent application identified by Attorney Docket No. 11307-REG2 and having the title

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NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

We hereby confirm that we did (under the law of the jurisdiction(s) where the inventions were conceived, reduced to practice and made, under the Intellectual Property Agreement And Confidentiality Agreement and/or under some other agreement with Mentor Graphics Corporation) sell, assign and transfer to the above named ASSIGNEE, or, to the extent we have not already done so, do sell, assign and transfer unto the above named ASSIGNEE, and its successors, assigns and legal representatives (hereafter referred to as NOMINEES) the entire right, title and interest in and to said inventions, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said inventions and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

Page 1 of 2

Attorney Docket No. 11307-REG2/XY

Assignment

We covenant that we have full right to convey the entire interest herein assigned at the time of the sale, assignment and transfer, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

We further agree to communicate to said ASSIGNEE or its NOMINEES any facts known to us respecting said inventions, to execute all divisional, continuation, renewal, reissue and foreign applications for said inventions, sign all lawful documents and make all rightful oaths and declarations relating to said inventions, sign all lawful documents which the ASSIGNEE or its NOMINEES shall consider desirable for aiding in securing and maintaining proper protection for said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid said ASSIGNEE or its NOMINEES to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide, and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, when requested so to do by said ASSIGNEE or its NOMINEES; and

We authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof in any and all countries of the world, and for any and all divisions, reissues, continuations, extensions and renewals thereof, and we authorize and request the appropriate official of any country, to issue to said ASSIGNEE or its NOMINEES any and all Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof, and any and all divisions, reissues, continuations, extensions and renewals thereof for their sole use, to the full end of the term for which such may be granted;

IN WITNESS WHEREOF, I have hereunto set my hand and seal:

Inventor: Krishnamurthy Suresh

Inventor: Deepak Kumar Garg

Date

Inventor: Saurabh Khaitan

Date

Inventor: Sanjay Gupta

Date

Inventor: Sudhanshu Jayaswal

Date

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Assignment Stuff	Attorney Docket No. 11307-REG2/XY
Inventor: John R. Stickley	Date
-	
Inventor: Russell Elias Vreeland III	Date
Inventor: Ronald James Squiers	Date

Assignment	Attorney Docket No. 11307-REG2/XY
Inventor: John R. Stickley Lussell Lies Jaulen III Inventor: Russell Elias Vreeland III	Date 10 //6 //7 Date

Inventor: Ronald James Squiers Date

Attorney Docket No. 11307-REG2/XY
Date
Date
October 17th 2017 Date

RECORDED: 10/25/2017