12/11/2015 503607679

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDRE DEHON	11/23/2015
UDIT DHAWAN	11/24/2015

RECEIVING PARTY DATA

Name:	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
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City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14946229

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ATTORNEY DOCKET NUMBER:	15-7236
NAME OF SUBMITTER:	GLORIA ABBASCIANO
SIGNATURE:	/Gloria Abbasciano/
DATE SIGNED:	12/11/2015

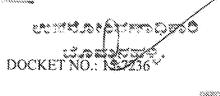
Total Attachments: 4

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> **PATENT REEL: 037270 FRAME: 0539** 503607679

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PATENT REEL: 037270 FRAME: 0540







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WHEREAS, I, Udit Dhawan a citizen of India, residing at House #18, F-2, 4th Cross Road, Near Govindappa Lane, Kodihalli, Bangalore \$60008, Karnataka, India, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 15-7236 ("the invention"), assigned application number To Be Determined filed 11/19/2015, which is entitled PROGRAMMABLE UNIT FOR METADATA PROCESSING ("the subject application"), and which claims priority to patent application number 62/081,891 filed 11/19/2014 ("the priority application").

AND WHEREAS, The Trustees of the University of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

Page 1 of 2

DOCKET NO.: 15-7236

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 24th day of November, year of 2015 STATEMENT OF NOTARY PUBLIC STATE OF : \$8 COUNTY OF _____, year of 30/5, before me personally to me personally known and known came the above named __________ to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same/was of that person's own free will for the use and purposes therein set forth. DOCUMENT ATTESTED 25 NOV 2015: Rep No 4831 Notary Public No. 358/15, Hosur Main Road. Adigodi BENGALURU S60,030 -5102 VON 2 S

DOCKET NO.: 15-7236.

ASSIGNMENT

WHEREAS, I, Andre DeHon, a citizen of United States, residing at 4743 Sansom St., Philadelphia, PA 19139. ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 15-7236 ("the invention"), assigned application number To Be Determined filed 11/19/2015, which is entitled PROGRAMMABLE UNIT FOR METADATA PROCESSING ("the subject application"), and which claims priority to patent application number 62/081,891 filed 11/19/2014 ("the priority application").

AND WHEREAS. The Trustees of the University of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I. the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

Page 1 of 2

DOCKET NO.: 15-7236 IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this 234 day of 8566, year of 2995. STATEMENT OF NOTARY PUBLIC STATE OF MESSA MUSCHE : 88 COUNTY OF Middle Sex : On this 23/4 day of 10000/10 year of 3/5, before me personally came the above named 1/4 day 1/4 1/4 to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

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