504649597 11/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4696318

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| AMARDEEP NAGARKAR | 10/16/2017 |

RECEIVING PARTY DATA

| Name: | NICIRA, INC. | |
|-------------------|-----------------------|--|
| Street Address: | 3401 HILLVIEW AVENUE, | |
| Internal Address: | ATTN: LEONARD HEYMAN | |
| City: | PALO ALTO | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94304 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15817315 |

CORRESPONDENCE DATA

Fax Number: (650)427-4818

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: 303-942-4655

Email: ipadmin@vmware.com

Correspondent Name: NICIRA, INC.

Address Line 1: 3401 HILLVIEW AVENUE,
Address Line 2: ATTN: LEONARD HEYMAN

Address Line 4: PALO ALTO, CALIFORNIA 94304

| ATTORNEY DOCKET NUMBER: | N530 | |
|-------------------------|----------------|--|
| NAME OF SUBMITTER: | PRAKASH NAMA | |
| SIGNATURE: | /Prakash Nama/ | |
| DATE SIGNED: | 11/20/2017 | |

Total Attachments: 2

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PATENT 504649597 REEL: 044789 FRAME: 0984

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we. ASSIGNORS named below.

| AMARDEEP NAGARKAR | of Pone, India | |
|--|--|--|
| hereby sell, assign, transfer and set over to | | |
| ASSIGNEE: NICIRA, INC. a Delaware corporation, having a principal place of business at 3401 Hillview Avenue, Palo Alto, California 94304, U.S., (NICIRA), its successors, assigns and legal representatives, | | |
| our entire right, title and interest throughou in and to the invention disclosed in: | t the world, including all rights to claim priority, | |
| _X_U.S. Patent Application executed on | or about the date of this Assignment, | |
| U.S. Patent Application No.: | illed on | |
| U.S. Provisional Application No.: | , filed on | |
| International Application No.: <u>PCT/</u> _ | , filed on; | |
| and | | |
| ENTITLED: "ROUTING INFORMATION V/ | ALIDATION IN SON ENVIRONMENTS" | |
| and identified by Attorney Docket Number: | 30530 | |
| and naming inventors as follows: | | |
| INVENTOR: AMARDEEP NAG | ARKAR | |

including without limitation, our entire right, title and interest in and to any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention, including divisionals, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention, including any reissues and reexaminations thereof—the foreign applications including, without limitation, all applications for patents, utility models and designs which may hereafter be filled for the invention in any country or countries foreign to the United States, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

We authorize ASSIGNEE to apply for patents of foreign countries for said invention; to claim all rights of priority without further authorization from us, which priority rights include rights derived from any United States application (provisional or otherwise) under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which

any such application is filed, as may be applicable; and to own in its own name all applications, all patents and inventor's certificates in all countries based on the invention.

We agree to execute any and all documents requested by ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their reasonable expense, in connection with filing and prosecution of any and all United States and foreign applications (including international, regional, and foreign national applications), enforcement of all patents, and maintenance of all rights in the invention, patents, inventor's certificates and applications for patents or inventor's certificates based on any of the invention(s); and generally to do everything possible to aid ASSIONEE, its successors, assigns, legal representatives, and nominees, at their request and reasonable expense, in obtaining, enforcing, and maintaining patents and inventor's certificates for said invention in all countries. In particular, we agree to provide to ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their request and at their reasonable expense, all information known to or ascertainable by us and all documents and other materials and objects pertaining to the invention that are in the possession of or accessible to us; and further, at any trial, hearing, deposition or other legal proceeding where we are called as a witness by ASSIGNEE, its successors, assigns, legal representatives, or nominee, we agree to testify to all facts penalining to the invention for which we are competent to testify:

We hereby covenant that we have full right to convey the entire interest that is being assigned by this Assignment, and that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

We authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any U.S. Letters Patent or any other patent or property right that may be granted for said invention to ASSIGNEE, its successors or assigns.

Executed on 46 60000 by Amosonkon

Date AMARDEEP NAGARKAR

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