PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2882259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SURESH GANAPATHY	12/19/2012
JAGDEEP SINGH AHLUWALIA	12/19/2012
NEERAJ GUPTA	12/19/2012
KENJI KAWAGUCHI	12/19/2012

RECEIVING PARTY DATA

Name:	NEC CORPORATION
Street Address:	7-1, SHIBA 5-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-8001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14362103

CORRESPONDENCE DATA

Fax Number: (703)761-2375

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: 703 761 4100

Email: admin@mcginniplaw.com

Correspondent Name: MCGINN I.P. LAW GROUP, PLLC

Address Line 1: 8321 OLD COURTHOUSE ROAD, SUITE 200

Address Line 4: VIENNA, VIRGINIA 22182-3818

ATTORNEY DOCKET NUMBER:	ASP.162
NAME OF SUBMITTER:	SEAN M.MCGINN
SIGNATURE:	/Sean M.McGinn/
DATE SIGNED:	06/02/2014

Total Attachments: 2 source=ASP.162#page1.tif source=ASP.162#page2.tif

> **PATENT REEL: 033020 FRAME: 0029** 502835663

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

Suresh GANAPATHY, Jagdeep Singh AHLUWALIA, Neeraj GUPTA and Kenji KAWAGUCHI of

NAME AND ADDRESS OF ASSIGNOR

c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled:

TITLE OF INVENTION:

COMMUNICATION SYSTEM

(based on PCT/JP2012/080252 filed on November 15, 2012)

WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE

NEC Corporation 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States Patent obtained therefor on said application or any (Assignment of Application for Patent -- page 1 of 2)

PATENT REEL: 033020 FRAME: 0030

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale:

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 19th day of DECEMBER, 2012.

SIGNATURE	By: Sures h
SIGNATURE	By: Suresh GANAPATHY
SIGNATURE	Jagueep Singh AHLUWALIA By:
SIGNATURE	Neeraj GUPTA By: <u>Nefi Kanazofi</u> Kenji KAWAGUCHI
SIGNATURE	Kenji KAWAGUCHI
SIGNATURE	Ву:
WITNESSES	An Q
	D. Harene

(Assignment of Application for Patent -- page 2 of 2)

PATENT

REEL: 033020 FRAME: 0031