

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4214237

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VINH VAN PHAN	11/23/2016
LING YU	01/02/2017
KARI VEIKKO HORNE MAN	11/23/2016
ZEXIAN LI	11/24/2016
RECEIVING PARTY DATA	
Name:	NOKIA SOLUTIONS AND NETWORKS OY
Street Address:	KARAPORTTI 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15308141
CORRESPONDENCE DATA	
Fax Number:	(203)944-0245
<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:	203 925 9400
Email:	jcabra@hspatent.com
Correspondent Name:	HARRINGTON & SMITH, ATTORNEYS AT LAW, LL
Address Line 1:	4 RESEARCH DRIVE, SUITE 202
Address Line 4:	SHELTON, CONNECTICUT 06484
ATTORNEY DOCKET NUMBER:	800.2109.U1(US)
NAME OF SUBMITTER:	MARK HARRINGTON
SIGNATURE:	/mark harrington/
DATE SIGNED:	01/06/2017
Total Attachments: 5	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	

source=Assignment#page4.tif

source=Assignment#page5.tif

ASSIGNMENT

I/we, (The ASSIGNOR(S)):

**Vinh Van Phan
Ling Yu
Kari Veikko Horneman
Zexian Li**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby assign to (hereafter referred to as The ASSIGNEE):

Nokia Solutions and Networks Oy
Karaportti 3
02610 Espoo
Finland

An invention entitled (invention Title):

DEVICE-TO-DEVICE TRANSMISSIONS

The PATENT RIGHTS referred to in this agreement are:

☐ a national Patent Application No. _____ filed on _____
☐ European Patent Application No. _____ filed on _____
☒ PCT application No. PCT/EP2014/059547 filed on May 09, 2014.

for this invention, executed by the ASSIGNOR(S)

☒ U.S. Patent Application Serial No. 15/308141 filed November 01, 2016
☐ U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

☒ U.S. Patent rights
☒ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any Patent Application identified above.
☒ the full and exclusive right to the invention;

The ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor: Please sign and date below:

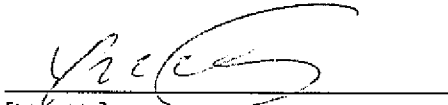
Phan Van Vinh
[Vinh Van Phan]

23.11.2016
Date

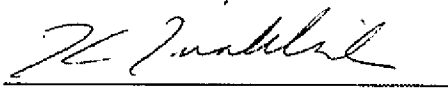
Ha Du Hiep
Witness Signature
Printed Name HA DU HIEP

23.11.2016
Date

NC85586


[Ling Yu]

02.01.2017
Date


Witness Signature
Printed Name Karisa Lisakata

2.1.2017
Date

Kari Horneman

[Kari Veikko Horneman]

23.11.2016

Date

Hanne Riefland


Witness Signature

23.11.2016

Date

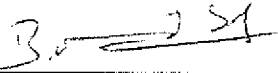
Printed Name HANNE RIEFLAND

NC85586



[Zexian Li]

24 11 2016
Date



Witness Signature
Printed Name BIKRAMJIT SINGH

24-11-2016
Date