PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINLING DU	08/11/2014
TING ZHOU	08/11/2014
JING XU	08/11/2014
ZHENHONG LI	08/12/2014
HAIFENG WANG	08/12/2014

RECEIVING PARTY DATA

Name:	NOKIA CORPORATION
Street Address:	KEILALAHDENTIE 4
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02150

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13582446

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.

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Correspondent Name: NOKIA USA INC.

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Address Line 2: ATTN: INTELLECTUAL PROPERTY
Address Line 4: SUNNYVALE, CALIFORNIA 94086

ATTORNEY DOCKET NUMBER:	NC71696-US-PCT
NAME OF SUBMITTER:	SANDY FONG-HOU
SIGNATURE:	/Sandy Fong-Hou/
DATE SIGNED:	08/18/2014

Total Attachments: 6

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ASSIGNMENT

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

Jinling Du Ting Zhou Jing Xu Zhenhong Li Haifeng Wang

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

Nokia Corporation Keilalahdentie 4 FI-02150 Espoo Finland.

<u>X</u>

An invention entitled (invention Title):

COMPRESSED HYBRID AUTOMATIC REPEAT REQUEST FEEDBACK FOR DEVICE TO DEVICE CLUSTER COMMUNICATIONS

The PATENT	RIGHTS referred to in this agreement are:	
	a national Patent Application No. f	iled on
_	European Patent Application No. fi	iled on
<u>X</u>	PCT application No. PCT/CN2010/070844 filed	on March 03, 2010
for this inventi	on, executed by the ASSIGNOR(S)	
<u>X</u>	U.S. Patent Application Serial No. 13/582446, fil	ed September 03, 2012
_	U.S. Patent No, issued	
The PATENT	RIGHTS assigned under this agreement are:	
	U.S. Patent rights	
<u>X</u> X	worldwide Patent rights. In this case, the assigned	ee shall have the right to claim the
	benefit of the filing date of any Patent Application	

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.

the full and exclusive right to the 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:

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Jin ling Du	Aug. 11, 2014
[Jinling Du] ^{(/}	Date
Yuan ping Zhu Witness Signature Printed Name Yuan ping Zhu	Aug 13. 2019 Date

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Ima Zhon.	11th Ann 2010
[Ting Zhou]	Date
Xin Yang	2014-8-11
Witness Signature Printed Name Xi 1 Yava	Date

Jing-XU	2014-08-11
[Jing Xu]	Date
Rui Wang	2014, 08.11
Witness Signature Printed Name	Date

Then held	2014.08.12
[Zhenhong Li]	Date
Ma Jiayu Witness Signature Printed Name MA JIAYU	Date

Haifeng Wang) 120814. Date Date

NC71696

PATENT REEL: 033553 FRAME: 0515

RECORDED: 08/18/2014