

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
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Property Type	Number
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DATE SIGNED:	10/30/2017
Total Attachments: 5	
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ASSIGNMENT

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

**Yuan Tao Zhang
Rapeepat Ratasuk
Chun Hai Yao
Yan Ji Zhang**

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

Nokia Technologies OY
Karaportti 3
02610 Espoo
Finland

An invention entitled (invention Title):

METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR DETERMINING TRANSMISSION PARAMETERS

The PATENT RIGHTS referred to in this agreement are:

<input type="checkbox"/>	a national Patent Application No.	filed on
<input type="checkbox"/>	European Patent Application No.	filed on
<input type="checkbox"/>	PCT application No.	filed on

for this invention, executed by the ASSIGNOR(S)

☒ U.S. Patent Application Serial No. 62/161422, filed May 14, 2015.

☐ 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:

NC87482

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[Chun Hai Yao]

2015. 6. 1
Date

Zhang Li
Witness Signature
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Yuantao Zhang
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[Yan Ji Zhang]

June 1, 2015

Date


Witness Signature

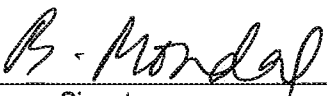
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[Rapeepat Ratasuk]


Witness Signature
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June 2, 2015
Date

6/2/2015
Date