PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| WEIDONG YANG | 04/16/2016 |
| XIAOYI WANG | 03/30/2016 |
| JUN TAN | 04/27/2016 |

RECEIVING PARTY DATA

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| Postal Code: | 02610 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15022555 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 88700US INV TO NSN OY | |
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| NAME OF SUBMITTER: | SANDY FONG-HOU | |
| SIGNATURE: | /Sandy Fong-Hou/ | |
| DATE SIGNED: | 06/17/2016 | |

Total Attachments: 4

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> **PATENT REEL: 038944 FRAME: 0679** 503877268

ASSIGNMENT

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

Weidong Yang Xiaoyi Wang Jun Tan

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):

SIGNALING DESIGNS FOR NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION

The PATENT RIGHTS referred to in this agreement are:

a national Patent Application No. filed on European Patent Application No. filed on

X PCT application No. PCT/EP2014/070759 filed on September 29, 2014.

for this invention, executed by the ASSIGNOR(S)

X U.S. Patent Application Serial No. <u>15/02255</u>5 filed <u>March 16, 2016</u>.
U.S. Patent No. ______, issued ______

The PATENT RIGHTS assigned under this agreement are:

X U.S. Patent rightsX worldwide Patent

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.

X 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:

PATENT REEL: 038944 FRAME: 0680

NC88700

Witness Signature Printed Name

3/30/20/6 Date

NC88700

[Jun Tan]

Witness Signature Printed Name CHEN

NC88700

| | 4/16/18 |
|-------------------|---------|
| [Weidong Yang] | Date |
| Witness Signature | Date |

PATENT REEL: 038944 FRAME: 0683

RECORDED: 06/17/2016