

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	FRANK FREDERIKSEN	04/01/2016
	WOLFGANG ZIRWAS	03/29/2016
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Property Type	Number	
Application Number:	15023724	
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DATE SIGNED:	05/12/2016	
Total Attachments: 4		
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ASSIGNMENT

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

Patrick Marsch
Frank Frederiksen
Wolfgang Zirwas

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 Management International GmbH
St. Martin Street 76
81541 Munich
Germany

An invention entitled (invention Title):

CONFIGURATION OF CHANNEL ESTIMATION RELATED PARAMETERS

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/EP2013/069961 filed on September 25, 2013.

for this invention, executed by the ASSIGNOR(S)

☒ U.S. Patent Application Serial No. 15/023724 filed March 22, 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:

NC88684

Frank Frederiksen
[Frank Frederiksen]

4/4-2016
Date

Mads Thomsen
Witness Signature
Printed Name Mads Thomsen

4-2016
Date

Wolfgang Zirwas
[Wolfgang Zirwas]

28.03.2016
Date

Richard Waldhauser
Witness Signature
Printed Name Richard Waldhauser

29.03.2016
Date

NC88684



[Patrick Marsch]

2016-05-28

Date

Witness Signature
Printed Name _____

Date