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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALESSANDRO BIANCIOTTO	07/19/2012
BERNHARD SPINNLER	07/19/2012
ANTONIO NAPOLI	07/19/2012
CHRISTINA HEBEBRAND	07/19/2012

RECEIVING PARTY DATA

Name:	NOKIA SIEMENS NETWORKS GMBH & CO. KG	
Street Address:	ST. MARTIN STR. 76	
City:	MUNICH	
State/Country:	GERMANY	
Postal Code:	D-81541	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14735515

CORRESPONDENCE DATA

Fax Number: (617)742-4214

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.

Phone: 617-573-4700

Email: karen.hector@nelsonmullins.com

NELSON MULLINS RILEY & SCARBOROUGH LLP Correspondent Name:

ONE POST OFFICE SQUARE Address Line 1:

Address Line 2: **KEVIN J. CANNING**

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	XNQ-192USCN	
NAME OF SUBMITTER:	KEVIN J. CANNING	
SIGNATURE:	/Kevin J. Canning/	
DATE SIGNED:	06/19/2015	

Total Attachments: 6

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ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Assignor 1)

Alessandro Bianciotto

residing at:

Stadelheimerstr. 53 81549 München GERMANY

Assignor 3) Antonio Napoli

residing at:

Pickelstr. 2 80637 München GERMANY Assignor 2)

Bernhard Spinnler

residing at:

Münchner Str. 23-b 82041 Oberhaching GERMANY

Assignor 4)

Christina Hebebrand

residing at:

Erich-Kästner-Weg 23

24143 Kiel GERMANY

residing at:

residing at:

hereby sell, assign, and transfer to

Nokia Siemens Networks GmbH & Co. KG

a Finnish corporation organized and existing under the laws of GERMANY, having its principal place of business in Munich, GERMANY herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) CLOCK RECOVERY METHOD AND CLOCK RECOVERY ARRANGEMENT FOR COHERENT POLARISATION MULTIPLEX RECEIVERS

disclosed in the application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. US-/PCT-Application No.

2009P00958WOUS PCT/EP2011/051441

DNR: 2589

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements; hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignor 1)

Date: <u>19.7, 2012</u>

Alexander Biomodia

Assignor 2)

Date: 19. 7. 2012

Bertand Solute

Assignor 3)

Date: 19.07.12

Antonio Napoli

Assignor 4)

Date:

Christina Hebebrand

ASSIGNMENT

IDNR: 2589:/15.10.2010/gel

For good and valuable consideration, I/we, the undersigned

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OO-71 O1-Application (40)	1 0 1/L1 201 1/03 1441

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements; hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Assignor 2)	
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Assignor 3)	
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Assignor 4)	
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Date: 13.07.2012	Christia Refel
Date: 150 f. W.L.	Christina Hebebrand
j. Name komben verskinger med ingermen i statisk magneter om et generalmen med jong in og og begreverig en nedense med i selse pe	Ombula Hedebianu

PATENT REEL: 035932 FRAME: 0091

RECORDED: 06/19/2015