

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dr. Stefan Gianordoli</td> <td>09/04/2008</td> </tr> <tr> <td>Dr. Lutz Rapp</td> <td>08/11/2008</td> </tr> <tr> <td>Dr. Michael Rasztovits-Wiech</td> <td>08/13/2008</td> </tr> <tr> <td>Andreas Stadler</td> <td>08/13/2008</td> </tr> </tbody> </table>		Name	Execution Date	Dr. Stefan Gianordoli	09/04/2008	Dr. Lutz Rapp	08/11/2008	Dr. Michael Rasztovits-Wiech	08/13/2008	Andreas Stadler	08/13/2008
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Dr. Lutz Rapp	08/11/2008										
Dr. Michael Rasztovits-Wiech	08/13/2008										
Andreas Stadler	08/13/2008										
RECEIVING PARTY DATA											
Name:	Nokia Siemens Networks GmbH & Co KG										
Street Address:	St. Martin Str. 76										
City:	Muenchen										
State/Country:	GERMANY										
Postal Code:	81541										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12281939</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12281939						
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Application Number:	12281939										
CORRESPONDENCE DATA											
Fax Number:	(312)827-8185										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	312-807-4363										
Email:	patents@bellboyd.com										
Correspondent Name:	Patricia Kane Schmidt										
Address Line 1:	P.O. Box 1135										
Address Line 4:	Chicago, ILLINOIS 60690										
ATTORNEY DOCKET NUMBER:	119010-421										
NAME OF SUBMITTER:	Patricia Kane Schmidt										
<p>Total Attachments: 5 source=119010-421Assignment#page1.tif</p>											

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ASSIGNMENT

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

Dr. Stefan GIANORDOLI
residing at:
Schottenfeldgasse 62/17
1070 Wien
AUSTRIA

Dr. Lutz Rapp
residing at:
Jägerstr. 16
82041 Deisenhofen
GERMANY

Dr. Michael Rasztovits-Wiech
residing at:
Römbergasse 81/34
1170 Wien
AUSTRIA

Andreas Stadler
residing at:
Hauslabgasse 1/12
1040 Wien
AUSTRIA

residing at:

residing at:

residing at:

residing at:

hereby sell, assign, and transfer to

Nokia Siemens Networks GmbH & Co. KG

a German corporation organized and existing under the laws of GERMANY , having its principal place of business in München , 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:) BIDIRECTIONAL OPTICAL AMPLIFIER ARRAY

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

Applicants File No. 2006P03648WOUS
and filed as PCT-application PCT/EP2007/051563

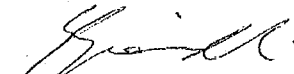
and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued 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

IDNR: 4248 / 20.12.2007

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.

Date: 4/17/2008 
 Dr. Stefan GIANORDOLI

Witnesses:  KARL KÖBERL
 (type name)

Witnesses: YANQI WANG
 (type name)

Date: _____
 Dr. Lutz Rapp

Witnesses: _____
 (type name)

Witnesses: _____
 (type name)

Date: _____
 Dr. Michael Rasztovits-Wlech

Witnesses: _____
 (type name)

Witnesses: _____
 (type name)

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.

Date: _____

Dr. Stefan GIANORDOLI

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: August 11, 2008

L. Rapp

Dr. Lutz Rapp

Witnesses: [Signature]
(type name) Gottfried Lehmann

Witnesses: A. Bianchi
(type name) ALESSANDRO BIANCHI

Date: _____

Dr. Michael Rasztovits-Wiech

Witnesses: _____
(type name)

Witnesses: _____
(type name)

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Date: _____

Dr. Stefan GIANORDOLI

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

Dr. Lutz Rapp

Witnesses: _____
(type name)

Witnesses: _____
(type name)


Date: August, 13th, 2008

Michael Raszfovits-Wiech
Dr. Michael Raszfovits-Wiech

Witnesses: *Biljana Bacovic*
(type name) BILJANA BACOVIC

Witnesses: *Peter Hanak*
(type name) PETER HANAK

Date: August 13th, 2008


Andreas Stadler

Witnesses: Biljana Bacovic
(type name) BILJANA BACOVIC

Witnesses: Peter Hawk
(type name) PETER HAWK

Date: _____

Witnesses: _____
(type name)

Witnesses: _____
(type name)

Date: _____

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(type name)

Witnesses: _____
(type name)

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