

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alan Glen Solheim</td> <td>12/10/2001</td> </tr> <tr> <td>Peter David Roorda</td> <td>12/10/2001</td> </tr> <tr> <td>Kevan Peter Jones</td> <td>12/07/2001</td> </tr> <tr> <td>Greg Peter Friesen</td> <td>12/07/2001</td> </tr> </tbody> </table>		Name	Execution Date	Alan Glen Solheim	12/10/2001	Peter David Roorda	12/10/2001	Kevan Peter Jones	12/07/2001	Greg Peter Friesen	12/07/2001
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<table border="1"> <tr> <td>Name:</td> <td>INNOVANCE NETWORKS</td> </tr> <tr> <td>Street Address:</td> <td>15 CORPORATE PLACE SOUTH</td> </tr> <tr> <td>City:</td> <td>PISCATAWAY</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>08854</td> </tr> </table>		Name:	INNOVANCE NETWORKS	Street Address:	15 CORPORATE PLACE SOUTH	City:	PISCATAWAY	State/Country:	NEW JERSEY	Postal Code:	08854
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CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 908-582-7109 Email: narpatent@alcatel-lucent.com Correspondent Name: Docket Administrator Address Line 1: 600-700 Mountain Avenue Address Line 2: Room 3B-212F Address Line 4: Murray Hill, NEW JERSEY 07974-0636											
ATTORNEY DOCKET NUMBER:	812194-US-DIV (MTP)										
NAME OF SUBMITTER:	Gregory J. Murgia										
Signature:	/Gregory J. Murgia/										

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Date:

07/18/2013

**Total Attachments: 3**

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## ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That Whereas

**Alan Glen SOLHEIM; Peter David ROORDA; Kevan Peter JONES; Greg Peter FRIESEN;** whose full post office addresses are: 15 Havenwood Trail, Stittsville, Ontario, Canada K2S 1C9; 68 Hamilton Ave., Ottawa, Ontario, Canada K1Y 1B9; 29 Slade Crescent, Kanata, Ontario, Canada K2K 2L1; and 251A Sunnyside Ave., Ottawa, Ontario, Canada K1S 0R9; respectively has invented certain improvements in;

### **Wavelength Assignment In An Optical WDM Network**

and

WHEREAS **Innovance Networks**, having a place of business at **15 Corporate Place South, Piscataway, New Jersey, 08854, United States of America**, hereinafter called ASSIGNEE, is desirous of acquiring the said application for Letters Patent of the United States, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions; or any of them;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to me paid by ASSIGNEE, the receipt whereof is hereby acknowledged, I do hereby sell, assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD AND ENJOY the said inventions, the said application, and the said Letters Patent to said ASSIGNEE, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

And I do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any divisional, reissue or continuation applications, or for the said inventions or any of them, to said ASSIGNEE, its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And I do hereby, for me and for my legal representatives, covenant and agree with ASSIGNEE, its successors and assigns, that I have granted to others no license to make, use or sell any of the said inventions, that my right, title and interest in the said inventions has not been encumbered, that I have good right and title to sell and assign the same, and that I will not execute any instrument in conflict herewith.

And I do hereby, for myself and for my legal representatives, further covenant and agree with ASSIGNEE, its successors and assigns, that upon request I will, and they shall, execute divisional, reissue or continuation applications, amended specifications, or rightful oaths; communicate to ASSIGNEE, its successors and assigns, any facts known to me relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or convenient to secure the grant of Letters Patent to ASSIGNEE, its successors and assigns, or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE, and to vest and confirm in ASSIGNEE, its successors and assigns, or its nominees, the full and complete and equitable title to all such

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REEL: 012386 FRAME: 0212

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Letters Patent, without further consideration than now paid but at the expense of ASSIGNEE, its successors or assigns.

The undersigned hereby authorizes the firm of GOWLING LAFLEUR HENDERSON LLP. to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal in the United States Patent and Trademark Office.

(1) Signed at Ottawa, CANADA this 10 day of December, 2001  
(City/Town) (Country) (Date) (Month) (Year)

Alan Glen Solheim  
Alan Glen SOLHEIM

Jennifer Norris  
(Name of Witness, Please print)

Jennifer Norris  
(Signature of Witness)

(2) Signed at Ottawa, Canada this 10 day of December, 2001  
(City/Town) (Country) (Date) (Month) (Year)

Peter David Roorda  
Peter David ROORDA

Geoffrey Bruce Payne  
(Name of Witness, Please print)

Geoffrey Bruce Payne  
(Signature of Witness)

(3) Signed at OTTAWA, CANADA this 7 day of December, 2001  
(City/Town) (Country) (Date) (Month) (Year)

Kevan Peter Jones  
Kevan Peter JONES

AIHUA YU  
(Name of Witness, Please print)

AIHUA YU  
(Signature of Witness)

(4) Signed at Ottawa, Canada this 7 day of December 2001  
(City/Town) (Country) (Date) (Month) (Year)

Greg Peter FRIESEN  
Greg Peter FRIESEN

Lee Lipes  
(Name of Witness, Please print)

[Signature]  
(Signature of Witness)