

## PATENT ASSIGNMENT

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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>Casem Majd</td> <td>05/14/2012</td> </tr> <tr> <td>Stephen Vansaders</td> <td>05/10/2012</td> </tr> <tr> <td>Gopala Rao</td> <td>05/11/2012</td> </tr> <tr> <td>Nirav J. Kadakia</td> <td>05/10/2012</td> </tr> <tr> <td>Andrew Bucko</td> <td>05/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Casem Majd	05/14/2012	Stephen Vansaders	05/10/2012	Gopala Rao	05/11/2012	Nirav J. Kadakia	05/10/2012	Andrew Bucko	05/09/2012
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CORRESPONDENCE DATA													
<p>Fax Number: (703)816-4100          Phone: 7038164000          Email: jc@nixonvan.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: John C. Eisenhart          Address Line 1: Nixon &amp; Vanderhye P.C.          Address Line 2: 901 N. Glebe Road, 11th Floor          Address Line 4: Arlington, VIRGINIA 22203</p>													
ATTORNEY DOCKET NUMBER:	5524-73												
NAME OF SUBMITTER:	John C. Eisenhart												

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**Total Attachments: 5**

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# ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Casem MAJD**  
**Stephen VANSADERS**  
**Gopala Rao**

**Nirav J. KADAKIA**  
**Andrew Bucko**

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **VONAGE NETWORK, LLC**  
 (Address) of 23 Main Street, Holmdel, New Jersey 07733  
 (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for all other countries in the World  
 in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Title) **SYSTEMS AND METHODS FOR ADJUSTING CARRIER QUALITY METRICS FOR INTRINSIC IMPAIRMENTS**  
 (Case No. 5524-73)  
 for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America  
 U.S. Appln. Serial No. 13/337,086 Filed on December 24, 2011  
 The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.


The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 14 - May - 2012

Signature of inventor

  
 Casem MAJD

Date 5/10/12 Signature of inventor

Stephen Vansaders  
Stephen VANSADERS

Date \_\_\_\_\_ Signature of inventor

\_\_\_\_\_  
Gopala RAO

Date \_\_\_\_\_ Signature of inventor

\_\_\_\_\_  
Nirav J. KADAKIA

Date \_\_\_\_\_ Signature of inventor

\_\_\_\_\_  
Andrew BUCKO

Date \_\_\_\_\_ Signature of inventor

Stephen VANSADERS

Date May 11, 2012 Signature of inventor

  
Gopala RAO

Date \_\_\_\_\_ Signature of inventor

Nirav J. KADAKIA

Date \_\_\_\_\_ Signature of inventor

Andrew BUCKO

Date \_\_\_\_\_ Signature of inventor

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Date \_\_\_\_\_ Signature of inventor

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Nirav J. KADAKIA

Date 05/09/2012 Signature of inventor

  
Andrew BUCKO