

TRA-096

ASSIGNMENT

WHEREAS, I, Daniel C. Upp, hereinafter referred to as the "Inventor", a citizen of the United States, whose post office address is 15 Pepper Tree Hill Lane, Southbury, CT 06488, have invented certain new and useful improvements in

**SONET/SDH SPE/VIRTUAL CONTAINER RETIMING WITH ADAPTIVE DUAL POINTER
LEAK RATE COMPUTATION**

as described and set forth in an application for Letters Patent of the United States of America, executed by me on the 13TH day of August, 2004
(Attorney Docket No. TRA-096).

AND WHEREAS, Transwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventors, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.


AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions, or improvements, application or applications, patents,

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rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

The undersigned hereby grants David S. Jacobson, Esq. and David P. Gordon, Esq., the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

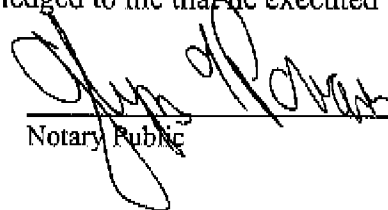
IN WITNESS WHEREOF, I, Daniel C. Upp, have hereunto set my hand and seals this 13th day of August, 2004.



Daniel C. Upp

State of CT)
County of New Haven) ss:

BE IT KNOWN, that on this 13 day of August 2004, personally appeared, Daniel C. Upp to me known and known to me to be the individual described in and who executed the foregoing assignment and he acknowledged to me that he executed the same.



Notary Public

SEAL

My commission expires:

GLYNIS L. POWANDA
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT 30 2008

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ASSIGNMENT

WHEREAS, I, Suvhasis Mukhopadhyay, hereinafter referred to as the "Inventor", a citizen of the United Kingdom, whose post office address is 5 Ashton Drive, Shrewsbury, MA 01545, have invented certain new and useful improvements in

SONET/SDH SPE/VIRTUAL CONTAINER RETIMING WITH ADAPTIVE DUAL POINTER LEAK RATE COMPUTATION

as described and set forth in an application for Letters Patent of the United States of America, executed by me on the 19TH day of AUGUST, 2004 (Attorney Docket No. TRA-096).

AND WHEREAS, Transwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventors, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions, or improvements, application or applications, patents,

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rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

The undersigned hereby grants David S. Jacobson, Esq. and David P. Gordon, Esq., the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

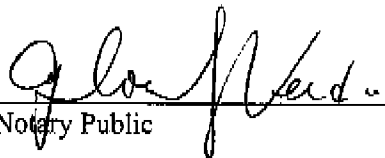
19TH IN WITNESS WHEREOF, I, Suvhasis Mukhopadhyay, have hereunto set my hand and seals this day of AUGUST, 2004.



Suvhasis Mukhopadhyay

State of Connecticut)
County of Fairfield) ss: Shelton

BE IT KNOWN, that on this 19 day of August 2004, personally appeared, Suvhasis Mukhopadhyay to me known and known to me to be the individual described in and who executed the foregoing assignment and he acknowledged to me that he executed the same.



Notary Public

SEAL

My commission expires:

GLORIA J. VERDI
Notary Public
My Commission Expires April 30, 2009

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ASSIGNMENT

WHEREAS, we, Bart Brösens and Kris Van Aken, hereinafter referred to as the "Inventors", citizens of Belgium, whose post office addresses are respectively,

- 1) Knoabaan 130, B2520 Oelegem, Belgium, and
- 2) Edélzangerslaan 25 #401, B-3010 Kessel-Lo, Belgium,

have invented certain new and useful improvements in

Sonet/SDH SPE/Virtual Container Retiming With Adaptive Dual Pointer Leak Rate Computation

as described and set forth in an application for Letters Patent of the United States of America, executed by us on the 16 day of August, 2004
(Attorney Docket No. TRA-096).

AND WHEREAS, Transwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we, the Inventors, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country

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more effectually to secure to and vest in said COMPANY, its successors and assigns; the entire right, title and interest in and to said invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

The undersigned hereby grants David S. Jacobson, Esq. and David P. Gordon, Esq., the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

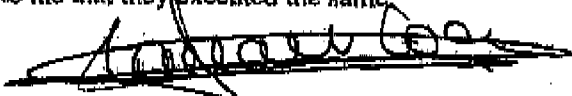
IN WITNESS WHEREOF, we, Bart Brosens and Kris Van Aken have hereunto set our hands and seals this 16 day of August, 2004.



Bart Brosens

~~Kris Van Aken~~

BE IT KNOWN, that on this 16th day of August, 2004, personally appeared, Bart Brosens and ~~Kris Van Aken~~, to me known and known to me to be the individuals described in and who executed the foregoing assignment and they acknowledged to me that they executed the same.



Witness
Print Name: LAUER S LOPE

TRA-096

ASSIGNMENT

WHEREAS, we, Bart Brosens and Kris Van Aken, hereinafter referred to as the "Inventors", citizens of Belgium, whose post office addresses are respectively,

- 1) Knoobaan 130, B2520 Oelegem, Belgium, and
- 2) Edelzangerslaan 25 #401, B-3010 Kessel-Lo, Belgium,

have invented certain new and useful improvements in

Sonet/SDH SPE/Virtual Container Retiming With Adaptive Dual Pointer Leak Rate Computation

as described and set forth in an application for Letters Patent of the United States of America, executed by us on the 15th day of August, 2004 (Attorney Docket No. TRA-096).

AND WHEREAS, Transwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we, the Inventors, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country

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more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

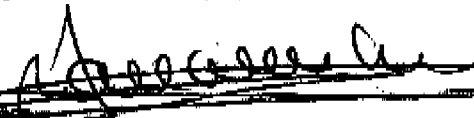
The undersigned hereby grants David S. Jacobson, Esq. and David P. Gordon, Esq., the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, we, Bart Brosens and Kris Van Aken have hereunto set our hands and seals this 19th day of August, 2004.

~~Bart Brosens~~

Kris Van Aken

BE IT KNOWN, that on this 19th day of August, 2004, personally appeared, Bart Brosens and Kris Van Aken, to me known and known to me to be the individuals described in and who executed the foregoing assignment and they acknowledged to me that they executed the same.


Witness:
Print Name: LAUWERS LODE

TRA-096

ASSIGNMENT

WHEREAS, I, Chitra Wadhwa, hereinafter referred to as the "Inventor", a citizen of India, whose post office address is House # 32, Sector 15, Sonapat- 131001, India, have invented certain new and useful improvements in

SONET/SDH SPE/ VIRTUAL CONTAINER RETIMING WITH ADAPTIVE DUAL POINTER LEAK RATE COMPUTATION

as described and set forth in an application for Letters Patent of the United States of America, executed by me on the 16th day of August, 2004.
(Attorney Docket No. TRA-096).

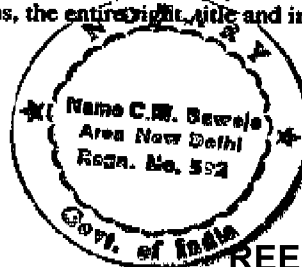
AND WHEREAS, TranSwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States of all foreign countries, that may be obtained therefor,

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventors, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country, and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of the said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said



PATENT

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invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

The undersigned hereby grants David S. Jacobson, Esq. And David P. Gordon, Esq., the power to insert on this assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

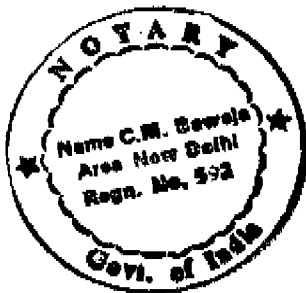
IN WITNESS WHEREOF, I Chitra Wadhwa, have hereunto set my hand and seals this 16th day of August, 2004.

Chitra

Chitra Wadhwa

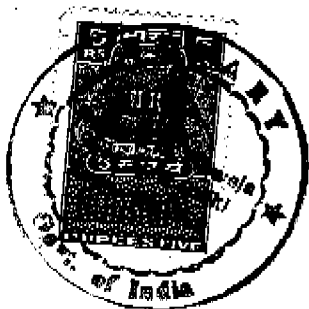
BE IT KNOWN, that on this 16th day of August 2004, personally appeared, Chitra Wadhwa to me known and known to me to be the individual described in and who executed the foregoing assignment and she acknowledged to me that she executed the same.

SEAL



[Signature]

WITNESS: Notary Public
PRINT NAME: Delhi (India)
16 AUG 2004



MY COMMISSION EXPIRES
ON 15TH MAY 2006

Valid Out-Side India

ASSIGNMENT

WHEREAS, I Sachin Mathur, hereinafter referred to as the "Inventor" a Citizen of India whose post office address is #102, Pristine Park Apartments, Geetanjali Layout, HAL 3 stage Bangalore -560075, Karnataka, INDIA, have invented certain new and useful improvements in

SONET/SDH SPE/VIRTUAL CONTAINER RETIMING WITH ADAPTIVE DUAL POINTER LEAK RATE COMPUTATION

as described and set forth in an application for Letters Patent of the United States of America, executed by me on the 13 day of August 2004
(Attorney Docket No TRA-096)

AND WHEREAS, Transwitch Corporation hereinafter referred to as the "said COMPANY", a company existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the united states and of all foreign countries, that maybe obtained therefore,

Now, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN that I, the inventors, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey to said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which maybe filed on said invention, inventions or improvements in the United States or in foreign country and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which maybe granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants maybe issued on said invention, inventions, or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of the said United States and foreign Patents on said application or applications to said COMPANY, its successors and assigns as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of the said COMPANY, its successors and assigns.

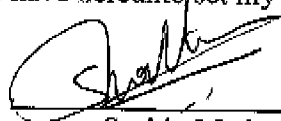


AND I do hereby covenant and warrant that I have full right to convey the entire right ,title and interest herein assigned free and clear of all licenses, encumbrances and hence whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

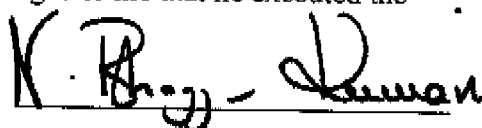
AND I, for the conditions aforesaid , do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executers , administrators , or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make , execute and deliver any and all other instruments in writing ,and any and all further applications , papers , powers, affidavits , assignments , disclaimers and other documents, which in the opinion of counsel for said COMPANY , its successors and assigns , maybe required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY ,its successors and assigns, the entire right , title and interest in and to said invention, inventions , or improvements, application or applications , patents , rights , titles, benefits , privileges and advantages hereby sold , assigned , confirmed , transferred and conveyed.

The undersigned hereby grants David S. Jacobson, Esq and David P Gordon, ESQ., the power to insert on this Assignment any further identification which maybe necessary in order to comply with the rules of the Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, I Sachin Mathur have hereunto set my hand and seals this 13 day of AUGUST, 2004.


Sachin Mathur

BE IT KNOWN, that on this 13 day of August 2004, personally appeared, Sachin Mathur to me known and known to me to be the individual described in and who executed the foregoing assignment and he acknowledged to me that he executed the same.

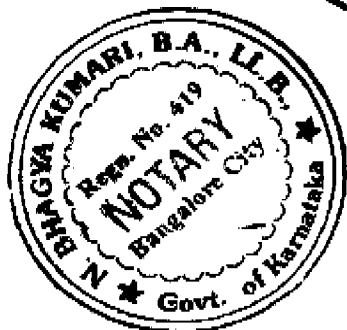
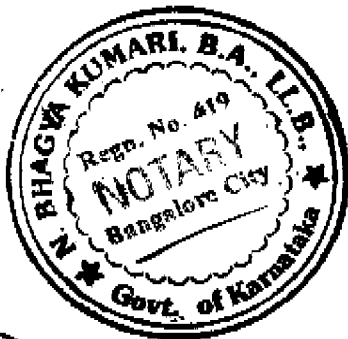


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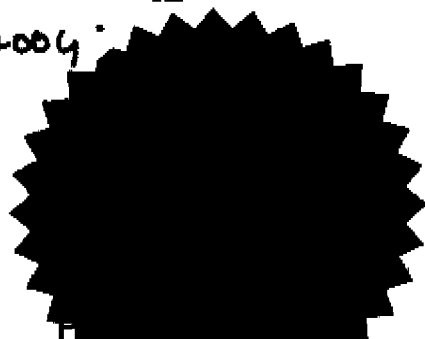
N. Bhagya Kumari, B.A., LL.B.
ADVOCATE & NOTARY
No. 3168, H.A.L. II Stage,
Indiranagar,
BANGALORE - 560 002

13/08/2004

SEAL



Notarial Reg No. 1107
Book No. 5
Page No. 181 on 13/08/2004



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ASSIGNMENT

WHEREAS, I, **Ramses Valvekens**, hereinafter referred to as the "Inventor" a citizen of Belgium whose post office address is Brusselssteenweg 6 #15, B-3020 Herent, Belgium have invented certain new and useful improvements in

Sonet/SDH SPE/Virtual Container Retiming With Adaptive Dual Pointer Leak Rate Computation
as described and set forth in an application for Letters Patent of the United States of America, executed by me on the 23th day of August, 2004,
(Attorney Docket No. TRA-096).

AND WHEREAS, (**Transwitch Corporation**) hereinafter referred to as the "said COMPANY", a company existing under the laws of the state of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventor, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to my invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, to have and to hold the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions, or improvements,

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application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

The undersigned hereby grant(s) David P. Gordon, Esq., David S. Jacobson, Esq., and Jay P. Sbrollini, Esq. the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

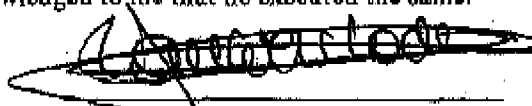
23rd IN WITNESS WHEREOF, I, Ramses Valvekens, have hereunto set my hand and seal this day of August, 2004



Ramses Valvekens

County of _____)
State of _____) ss:

BE IT KNOWN, that on this 23rd day of August, 2004 personally appeared Ramses Valvekens to me known and known to me to be the individual described in and who executed the foregoing assignment and he acknowledged to me that he executed the same.



~~Notary Public~~

SEAL

My commission expires:

Signature Witness

LAUWERS LODE