Form PTO-1595 (Rev. 03/05) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FO	DRM COVER SHEET
PATENT	S ONLY
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Stephen D. Ainsworth; Robert L. Assell; Andrew H. Cragg; Eugene A. Dickhudt;	Name: TranS1 Inc.
Tawney A. Schwarz; Bradley L. Wessman	internal Address:
Additional name(s) of conveying party(les) attached? Yes V No. 3. Nature of conveyance/Execution Date(s):	Street Address: 411 Landmark Drive
Execution Date(s) October 4, 2005 & October 10, 2005	
Assignment Merger	-
Security Agreement Change of Name	City: Wilmington
Joint Research Agreement	State: NC
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: US Zip: 28412
Other	Additional name(s) & address(es) attached? Yes No
4. Application or patent number(s): This A. Patent Application No.(s) 11/202,655 Additional numbers at	document is being filed together with a new application. B. Patent No.(s) tached? Yes No.
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One
Name: <u>The Eclipse Group</u>	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00
Internal Address:	Authorized to be charged by credit card
	Authorized to be charged to deposit account
Street Address: 10605 Balboa Blvd., Suite 300	Enclosed
	None required (government interest not affecting title)
City: Granada Hills	8. Payment Information
State: CA Zip: 91344	a. Credit Card Last 4 Numbers 0440
	Expiration Date <u>05/08</u>
Phone Number: 919-313-6160	b. Deposit Account Number 50-2542
Fax Number: 919-313-6170 Email Address: kef@ecllpsegrp.com	Authorized User Name The Edipse Group
9. Signature:	<u> </u>
Signature: Signature	November 28, 2005 Date
Kevin E. Flynn	Total number of pages Including cover
Name of Person Signing	sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CONFIRMATORY ASSIGNMENT

Stephen D. Ainsworth, residing at 5309 Curlew Drive, Wilmington, NC 28409 United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- 1.1 ASSIGNOR, through ASSIGNOR's employment with ASSIGNEE, as either employee or contractor, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
- 1.2 ASSIGNEE, as employer of ASSIGNOR, owns all right, title and interest in and to the Invention. ASSIGNOR, as consideration for ASSIGNOR's employment with ASSIGNEE, agreed to execute all the necessary documents in order to perfect and confirm ASSIGNEE's ownership in any inventions created or developed by ASSIGNOR during ASSIGNOR's employment with ASSIGNEE.
- 1.3 For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR is executing this Assignment in order to confirm ASSIGNEE's ownership in and to formally transfer to ASSIGNEE all right, title and interest in and to the Invention and all Letters Patent or related legal rights which may be granted from the Invention in the United States or any foreign country.

2.0 ASSIGNMENT

2.1 ASSIGNOR sells, assigns and transfers to ASSIGNEE, effective as of the Effective Date first set forth above, the full and exclusive and non-revocable right, title and interest in and to the Invention, all patent applications related to the Invention, and all Letters Patent or related legal rights which may be granted from the Invention in the United States, including Letters Patent or related legal rights that may arise from a chain of applications including links such as revised filings of the application(s) referenced above, non-provisional applications claiming priority to any provisional applications listed above (if applicable), divisional applications, continuation applications, continuation-in-part applications, results from a reissue process, results from a re-examination process, or from any like process to any of the above for the full term or terms for which the Letters Patent or related legal rights may be granted.

Atty. Docket No.: T105001USU Scrial No.: 11/202.655 PATENT REEL: 017066 FRAME: 0338

- ASSIGNOR also assigns all of ASSIGNOR's right, title and interest in and to the 2.2 Invention in all foreign countries, including the right to apply for a patent or related legal rights in any foreign country and the right to all current and further applications for patents or related legal rights for the Invention, including the right to claim International Convention priority.
- ASSIGNOR grants to ASSIGNEE the right to file applications on any aspect of 2.3 the Invention in the name of ASSIGNOR, in the name of ASSIGNEE, or otherwise, as ASSIGNEE may deem advisable.
- 2.4 ASSIGNOR further transfers and assigns to ASSIGNEE all causes of action, rights, and remedies arising under any such patent, related legal rights, or application prior to or after the Effective Date of this Agreement.
- 2.5 ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment of the Invention and all the related patents and patent applications filed therefrom.
- 2.6 ASSIGNOR further covenants that, upon ASSIGNEE's request, ASSIGNOR will promptly provide ASSIGNEE with all pertinent facts and documents relating to the Invention, and patents or patent applications as may be known and accessible to ASSIGNOR and ASSIGNOR will testify as to the same in any interference or litigation process related to the Invention or any Letters Patent, patent application, or related legal rights, related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the Invention and any patents or patent applications relating to the Invention as may be reasonably necessary or desirable.

Stephen D. Ainsworth

, 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared 5+phen 5 amsworth, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

My Commission Expires on WW

REEL: 017066 FRAME: 0339

CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment ("Assignment") shall be effective as of _________, 2005 ("Effective Date") by and between:

Robert L. Assell, residing at 6001 Wellesley Place3, Wilmington, NC 28409, United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- ASSIGNOR, through ASSIGNOR's employment with ASSIGNEE, as either employee or contractor, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
- 1.2 ASSIGNEE, as employer of ASSIGNOR, owns all right, title and interest in and to the Invention. ASSIGNOR, as consideration for ASSIGNOR's employment with ASSIGNEE, agreed to execute all the necessary documents in order to perfect and confirm ASSIGNEE's ownership in any inventions created or developed by ASSIGNOR during ASSIGNOR's employment with ASSIGNEE.
- 1.3 For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR is executing this Assignment in order to confirm ASSIGNEE's ownership in and to formally transfer to ASSIGNEE all right, title and interest in and to the Invention and all Letters Patent or related legal rights which may be granted from the Invention in the United States or any foreign country.

2.0 ASSIGNMENT

ASSIGNOR sells, assigns and transfers to ASSIGNEE, effective as of the Effective Date first set forth above, the full and exclusive and non-revocable right, title and interest in and to the Invention, all patent applications related to the Invention, and all Letters Patent or related legal rights which may be granted from the Invention in the United States, including Letters Patent or related legal rights that may arise from a chain of applications including links such as revised filings of the application(s) referenced above, non-provisional applications claiming priority to any provisional applications listed above (if applicable), divisional applications, continuation applications, results from a reissue process, results from a re-examination process, or from any like process to any of the above for the full term or terms for which the Letters Patent or related legal rights may be granted.

Atty. Docket No.: T105001USU Serial No.: 11/202,655 PATENT REEL: 017066 FRAME: 0340

- ASSIGNOR also assigns all of ASSIGNOR's right, title and interest in and to the 2.2 Invention in all foreign countries, including the right to apply for a patent or related legal rights in any foreign country and the right to all current and further applications for patents or related legal rights for the Invention, including the right to claim International Convention priority.
- 2.3 ASSIGNOR grants to ASSIGNEE the right to file applications on any aspect of the Invention in the name of ASSIGNOR, in the name of ASSIGNEE, or otherwise, as ASSIGNEE may deem advisable.
- 2.4 ASSIGNOR further transfers and assigns to ASSIGNEE all causes of action, rights, and remedies arising under any such patent, related legal rights, or application prior to or after the Effective Date of this Agreement.
- ASSIGNOR hereby covenants that no assignment, sale, agreement or 2.5 encumbrance has been or will be made or entered into which would conflict with this assignment of the Invention and all the related patents and patent applications filed therefrom.
- 2.6 ASSIGNOR further covenants that, upon ASSIGNEE's request, ASSIGNOR will promptly provide ASSIGNEE with all pertinent facts and documents relating to the Invention, and patents or patent applications as may be known and accessible to ASSIGNOR and ASSIGNOR will testify as to the same in any interference or litigation process related to the Invention or any Letters Patent, patent application, or related legal rights, related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the Invention and any patents or patent applications relating to the Invention as may be reasonably necessary or desirable.

County of New Hanaver

day of () W-010-CV 2005, before the undersigned, a Notary Publicator the State and County aforesaid, personally appeared Vones + ASSell known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above as or ment, and acknowledged that he executed the same.

acknowledged that he executed the same.

My Commission Expires on

<u>ASSIGNMENT</u>

_ This	Assignment	("Assignment")	shall	be	effective	as	of
<u> Oct 10</u>	> th	, 2005 ("Eff	ective Dat	te") by ε	ınd between:		

Andrew H. Cragg, residing at 5024 Bruce Place, Edina, MN 55424, United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- 1.1 ASSIGNOR, through ASSIGNOR's connection with ASSIGNEE, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
 - 1.2 ASSIGNEE, desires to own all right, title and interest in and to the Invention.
- 1.3 For five dollars (\$5.00) or any other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR is executing this Assignment in order to memorialize ASSIGNEE's ownership in and to formally transfer to ASSIGNEE all right, title and interest in and to the Invention and all Letters Patent or related legal rights which may be granted from the Invention in the United States or any foreign country.

2.0 ASSIGNMENT

- ASSIGNOR sells, assigns and transfers to ASSIGNEE, effective as of the Effective Date first set forth above, the full and exclusive and non-revocable right, title and interest in and to the Invention, all patent applications related to the Invention, and all Letters Patent or related legal rights which may be granted from the Invention in the United States, including Letters Patent or related legal rights that may arise from a chain of applications including links such as revised filings of the application(s) referenced above, non-provisional applications claiming priority to any provisional applications listed above (if applicable), divisional applications, continuation applications, continuation-in-part applications, results from a reissue process, results from a re-examination process, or from any like process to any of the above for the full term or terms for which the Letters Patent or related legal rights may be granted.
- 2.2 ASSIGNOR also assigns all of ASSIGNOR's right, title and interest in and to the Invention in all foreign countries, including the right to apply for a patent or related legal rights in any foreign country and the right to all current and further applications for patents or related legal rights for the Invention, including the right to claim International Convention priority.

Atty. Docket No.: T105001USU Serial No.: 11/202.655

- 2.3 ASSIGNOR grants to ASSIGNEE the right to file applications on any aspect of the Invention in the name of ASSIGNOR, in the name of ASSIGNEE, or otherwise, as ASSIGNEE may deem advisable.
- 2.4 ASSIGNOR further transfers and assigns to ASSIGNEE all causes of action, rights, and remedies arising under any such patent, related legal rights, or application prior to or after the Effective Date of this Agreement.
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State of <u>Thinnesata</u>)

County of

On this 10th day of 150 to 150 to 2005, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared Andrew H. Cragg, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

Notary Public Chaumburg

My Commission Expires on 1 - 3/ - /o

BARBARA JO SCHAUMBURG
Notary Public
Minnesota
My Comm. Expires Jen 31, 2010

Atty Docket: T105001USU

PATENT

ASSIGNMENT

This	Assignment	("Assignment")	shall	be	effective	as	of
ಿವೇ	10+2-	, 2005 ("Eff	ective Dat	te'') by a	ınd between:		

Eugene A. Dickhudt, residing at 6449 Langer Lane, Lino Lakes, MN 55038, United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- ASSIGNOR, through ASSIGNOR's connection with ASSIGNEE, invented 1.1 certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
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- For five dollars (\$5.00) or any other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. ASSIGNOR is executing this Assignment in order to memorialize ASSIGNEE's ownership in and to formally transfer to ASSIGNEE all right, title and interest in and to the Invention and all Letters Patent or related legal rights which may be granted from the Invention in the United States or any foreign country.

2.0 ASSIGNMENT

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- ASSIGNOR also assigns all of ASSIGNOR's right, title and interest in and to the Invention in all foreign countries, including the right to apply for a patent or related legal rights in any foreign country and the right to all current and further applications for patents or related legal rights for the Invention, including the right to claim International Convention priority.

- 1 -

PATENT Serial No.: 11/202.655 REEL: 017066 FRAME: 0344

- 2.3 ASSIGNOR grants to ASSIGNEE the right to file applications on any aspect of the Invention in the name of ASSIGNOR, in the name of ASSIGNEE, or otherwise, as ASSIGNEE may deem advisable.
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10-10-05	Lawred Lide
Date	Eugene A. Dickhudt
State of Minnesota	
State of Minniscta) County of Ramy) State of Minniscta)	
County aforesaid, personally appeared Eugene	, 2005, before the undersigned, a Notary Public for the State and A. Dickhudt, known to me or proved to me on the basis of me is subscribed to the above assignment, and acknowledged that
he executed the same.	Notary Public
My Commission Expires on	<u>.</u>
	GREGORY C. BETHKE



CONFIRMATORY ASSIGNMENT

This Confirmatory Assignment ("Assignment") shall be effective as of October 4 , 2005 ("Effective Date") by and between:

Tawney A. Schwarz, residing at 129 N. Hampton Road, Wilmington, NC 28409, United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- 1.1 ASSIGNOR, through ASSIGNOR's employment with ASSIGNEE, as either employee or contractor, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
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- 1.3 For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR is executing this Assignment in order to confirm ASSIGNEE's ownership in and to formally transfer to ASSIGNEE all right, title and interest in and to the Invention and all Letters Patent or related legal rights which may be granted from the Invention in the United States or any foreign country.

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Atty. Docket No.: T105001USU Serial No.: 11/202,655

- 2.2 ASSIGNOR also assigns all of ASSIGNOR's right, title and interest in and to the Invention in all foreign countries, including the right to apply for a patent or related legal rights in any foreign country and the right to all current and further applications for patents or related legal rights for the Invention, including the right to claim International Convention priority.
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10/4/2005

Date
Tawney A Schwarz

State of North Cavalina)

Notary Public

My Commission Expires on

- Z -Atty. Docket No.: T105001USU Serial No.: 11/202,655

PATENT

REEL: 017066 FRAME: 0347

Atty Docket: T105001USU

PATENT

CONFIRMATORY ASSIGNMENT

This	Confirmatory	Assignment	("Assignment")	shall	be	effective	as	of
October	4	, 20	05 ("Effective Date	e") by a	nd be	tween:		

Bradley J. Wessman, residing at 8026 Marsh Reach Drive, Wilmington, NC 28411, United States of America ("ASSIGNOR"); and

TranS1 Inc., a corporation organized under the laws of Delaware, and having a principal place of business at 411 Landmark Drive, Wilmington, NC 28412, United States of America ("ASSIGNEE").

1.0 BACKGROUND

- ASSIGNOR, through ASSIGNOR's employment with ASSIGNEE, as either employee or contractor, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States with title "METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT MOTION SEGMENTS", Serial No. 11/202,655 filed on August 13, 2005. The useful improvements include novel additions to the prior art including but not limited to those improvements specifically set forth in the attached claims. The subject matter of this patent application shall be referred to as the "Invention."
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Atty. Docket No.: T105001USU Serial No.: 11/202,655

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October 4, 2005	J. Wen
Date	Bradley J. Wessman
State of Nath Cavalina) County of New Hanaver) State of New Hanaver)	ANTENNESS OF PAR
County of NEW HANGVEY	BUILDING WALKE STURING
On this day of October County aforesaid, personally appeared basis of satisfactory evidence to be the personal day of October 1976	2005, before the undersigned a Notary Public for the State and Alexand Williams of proved to me zarethe on whose name is subscribed to the above assignment, and
acknowledged that he executed the same.	Marthan all Committee of the HANOVIER OF THE PROPERTY OF THE P
My Commission Expires on $\frac{1}{2}$	Notaty Public

11/28/2005 15:22 9193136170 THE ECLIPSE GROUP PAGE 01/15

FAX COVER SHEET



5003 Southpark Dr., Suite 260

Durham, NC 27713 Phone: (919) 313-6160 Fax: (919) 313-6170

From: Kevin E. Flynn				
Date: November 28, 2005	THERMS			
Phone: 919-313-6160				
	Date: November 28, 2005			

Total pages, including cover: 15

 \square For your information

Comments:

Attorney Docket No.: T105001USU

Applicant: Ainsworth et al.

Title: METHODS AND APPARATUS FOR PROVISION OF THERAPY TO ADJACENT

MOTION SEGMENTS Serial No.: 11/202,655 Filing Date: August 13, 2005

Please acknowledge receipt of the following documents:

- 1) Credit Card Payment Form (PTO-2038 1 pg);
- 2) Recordation Form Cover Sheet (PTO-1595 I pg); and
- 3) Executed Assignment (12 pgs).

Certificate_of_Transmission

I hereby certify that this document (along with any papers referenced as being attached or enclosed) is being transmitted to the United States Patent and Trademark Office via facsimile to Fax No. 571-273-0140, on the date set forth above.

Bonnie S. Sheridan

PATENT

RECORDED: 11/28/2005 REEL: 017066 FRAME: 0350