

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Richard Gross | 04/13/2010 |
| RECEIVING PARTY DATA | |
| Name: | Washington University |
| Street Address: | One Brookings Drive |
| City: | St. Louis |
| State/Country: | MISSOURI |
| Postal Code: | 63130 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 10508064 |
| CORRESPONDENCE DATA | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
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| Correspondent Name: | Armstrong Teasdale LLP |
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| Address Line 4: | St. Louis, MISSOURI 63102-2740 |
| ATTORNEY DOCKET NUMBER: | 003376-ORD1 (15060-85) |
| NAME OF SUBMITTER: | Jeannie M. Boettler |
| Total Attachments: 3 source=Executed Assignment 003376#page1.tif source=Executed Assignment 003376#page2.tif source=Executed Assignment 003376#page3.tif | |

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ASSIGNORS each agree, to each creator's binding personal share of any income generated by the INVENTION as delineated in the attached Exhibit A, and that all future agreements regarding such personal shares shall be in writing and signed by all creators;

ASSIGNORS hereby warrant and represent to Assignee, its successors, legal representatives and assigns, that at the time of execution of this assignment, the ASSIGNORS listed above are the sole individuals employed by the ASSIGNEE who have made contributions to the INVENTION, that the ASSIGNORS are unencumbered and have good and full right and lawful authority to sell and convey the same in the manner herein set forth, and that all works of authorship assigned herein are original works created solely by the ASSIGNORS and are free from plagiarized, libelous, obscene or infringing material;

ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States of America, to issue any and all United States Patents that may be granted on any assigned APPLICATION or on the INVENTION or any part thereof, in the name of ASSIGNEE;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this sale, assignment and transfer;

ASSIGNORS hereby grant to ASSIGNEE and its agents and attorneys the power and right to insert herein the title, serial number and filing date of the APPLICATION, the OTM case number and title of the INVENTION after this Assignment is executed by the ASSIGNORS; and

ASSIGNORS further covenant that upon ASSIGNEE's request they will provide promptly to ASSIGNEE all pertinent facts and documents relating to the aforesaid APPLICATIONS and the INVENTION as may be known and accessible to ASSIGNORS, and ASSIGNORS will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives without further consideration any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the aforesaid APPLICATIONS that may be deemed necessary or desirable by ASSIGNEE to carry out the purposes hereof.

For the event that ASSIGNEE is unable, after reasonable effort, to secure any ASSIGNOR's signature on any APPLICATION, paper or other instrument relating to any patent, patent APPLICATION, letters patent, copyright or other analogous protection relating to the INVENTION in any country, whether because of the ASSIGNOR's mental incapacity, death or

for any other reason whatsoever, each ASSIGNOR hereby irrevocably designates and appoints ASSIGNEE and its duly authorized officers and agents as each ASSIGNOR's agent and attorney in fact to act for and to execute and file any such APPLICATION, paper or other instrument on ASSIGNOR's behalf and to do all other lawfully permitted acts to further the prosecution and issuance of any patent, patent APPLICATION, letters patent, copyright or any other analogous protection related to the INVENTION with the same legal force and effect as if executed by such ASSIGNOR.

For the convenience of the parties, any number of counterparts of the Assignment may be executed by the parties hereto. Each such counterpart shall be and shall be deemed to be an original instrument but all such counterparts taken together shall constitute one and the same assignment.

IN WITNESS WHEREOF, the ASSIGNORS have hereunto set their hand to the foregoing assignment.

Richard Gross

Signature -- Richard Gross

4/13/10

Date

Name: Richard Gross

Home Address: 307 Chesterfield Oaks Dr.
Chesterfield, MO 63005

ACKNOWLEDGMENT

STATE OF Missouri)
CITY OF St. Louis) SS.

On this 13th day of April, 2010, before me, a Notary Public,
personally appeared Richard Gross, known to me to be the person described, in
and who executed, the foregoing assignment and acknowledged that he executed
said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal
the day and year first above written.

Carolyn R. Schulteis
Notary Public

My Commission Expires:

January 30, 2012 [SEAL]

