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1. Name of conveying party(ies) Amy Greenwald John R. Wicks Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

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2. Name and address of receiving party(ies) Name: Brown University Internal Address: Street Address: 1 Prospect Street City: Providence State: RI Zip: 02912 Country: U.S. Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: 5/15/2006; 5/12/2006 Respectively

11/919262

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 5/15/2006; 5/12/2006. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Weingarten, Schurgin, Gagnebin & Lebovici LLP Ten Post Office Square Boston, Massachusetts 02109

6. Total number of applications and patents Involved [1]

10/29/2007 LLANDGRA 00000025 230804 11919262 01 FC:8021 (40.00 OP)

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8. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Attorney Name: Victor B. Lebovici Registration No. 30,864

Signature: [Handwritten Signature] Date: 10-25-07

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358584 Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

EXPRESS MAIL NO.

EV 560131608 US PATENT REEL: 020076 FRAME: 0006

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BRUN-006Xq999

PATENT

A S S I G N M E N T

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, we,

Amy Greenwald, residing at 10 Jenckes Street,  
Providence, Rhode Island 02906, U.S.A.,

and

John R. Wicks, residing at 47 Crestwood Drive,  
Kingston, Rhode Island 02881-1507, U.S.A.

hereby sell and assign to BROWN UNIVERSITY, a Rhode Island corporation, having a principal place of business at 1 Prospect Street, Providence, Rhode Island 02912, U.S.A., its successors and assigns, the entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States ("US"), its territories and all foreign countries in and to our invention in

**IMPORTANCE RANKING FOR A HIERARCHICAL COLLECTION OF OBJECTS**

and PCT International Application No. PCT/US2006/016938 filed on 02 May 2006 ("the PCT application") designating the United States and all other PCT member countries, all US and non-US applications that claim priority of the PCT application and such patents as may issue on any such applications, and all divisions, reissues and continuations and continuations-in-part thereof, however designated.

And we hereby covenant that we have full right to make such assignment, and agree for ourselves and our executors and administrators that we will, at the expense of said BROWN UNIVERSITY, execute all applications for domestic and foreign patents including divisional, continuing, reissue and re-examination applications thereof, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said BROWN UNIVERSITY, its successors and assigns, to obtain and enforce proper patent protection for said invention(s) in the United States, its territories and all foreign countries.

We, the Inventors, signing below, hereby authorize and request our attorneys to insert above the application serial number when it becomes known.

EXPRESS MAIL NO.

EV 560131608 US


PATENT

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BRUN-006Xq999

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent on said invention or resulting therefrom to BROWN UNIVERSITY, its successors and assigns.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

  
\_\_\_\_\_  
Amy Greenwald

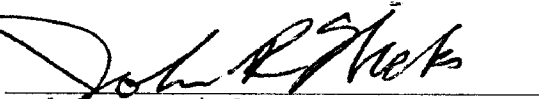
Date: 5/15/06

  
\_\_\_\_\_  
Witness (Signature)

Date: 5/15/06

JOANN H. TILLMAN  
Witness (Please Print Name)

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

  
\_\_\_\_\_  
John R. Wicks

Date: 5/12/06

  
\_\_\_\_\_  
Witness (Signature)

Date: 5/12/06

JOANN H. TILLMAN  
Witness (Please Print Name)

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