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102867324

10/18/04

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

Warren Douglas Sheffield (04/13/2004)  
Alvaro Pascual-Leone (04/20/2004)

Execution Dates: in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

## 2. Name and address of receiving party(ies)

Name: Northstar Neuroscience, Inc.

Internal Address:

Street Address:

2401 Fourth Avenue  
Suite 300

City: Seattle

State: Washington

Country: United States of America Zip: 98121

Additional name(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

10/731,892

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: John M. Wechkin  
PERKINS COIE LLP

Internal Address: Atty. Dkt.: 337348055US1

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## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information:

a. Credit Card Last 4 Numbers  
Expiration Dateb. Deposit Account Number  
Authorized User Name

## 9. Signature

Signature

John M. Wechkin - 42,216

Name of Person Signing

Oct. 18, 2004

Date

Total number of pages including cover sheet, attachments, and documents:

3

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV528706401US, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 10/18/04

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PATENT  
REEL: 015907 FRAME: 0098

**ASSIGNMENT**

THIS ASSIGNMENT is by Warren Douglas Sheffield and Alvaro Pascual-Leone (the "Assignors"), whose mailing addresses are 3033 38<sup>th</sup> Avenue West, Seattle, WA 98199 and 202 Glezen Lane, Wayland, MA 01778, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled METHODS FOR TREATING AND/OR COLLECTING INFORMATION REGARDING NEUROLOGICAL DISORDERS, INCLUDING LANGUAGE DISORDERS (the "Application") and ☐ executed concurrently herewith; or ☒ filed on December 9, 2003 as Application No. 10/731,892. We Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application when known.

Northstar Neuroscience, Inc., a corporation of the State of Washington having a place of business at 2401 Fourth Avenue, Suite 300, Seattle, WA 98121 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

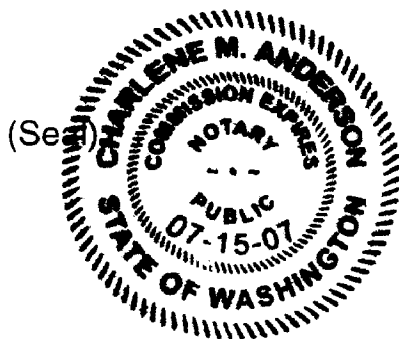
For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 4/13/04

Warren Douglas Sheffield  
Warren Douglas Sheffield

STATE OF Washington  
COUNTY OF King

On April 13, 2004 before me, Charlene M. Anderson, personally appeared Warren Douglas Sheffield, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Charlene M. Anderson  
Signature

\* \* \* \* \*

Date: 4/20/04

Alvaro Pascual-Leone  
Alvaro Pascual-Leone

STATE OF Mass  
COUNTY OF Suffolk

On april 20, 2004 before me, Jessamyn Jay Lebl, personally appeared Alvaro Pascual-Leone, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Jessamyn Jay Lebl  
Signature

Expiration: 1-19-2007