## PATENT ASSIGNMENT

**501780753**  
**01/10/2012**

### SUBMISSION TYPE:
- NEW ASSIGNMENT

### NATURE OF CONVEYANCE:
- ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>Tatsuro YOSHIDA</td>
<td>01/06/2012</td>
</tr>
<tr>
<td>Paul J. VERNUCCI</td>
<td>01/06/2012</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** NEW HEALTH SCIENCES, INC.
- **Street Address:** 6903 Rockledge Drive
- **Internal Address:** Suite 230
- **City:** Bethesda
- **State/Country:** MARYLAND
- **Postal Code:** 20817

### PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>13115532</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (203)327-6401
- **Phone:** 203-327-4500
- **Email:** docketing@ogrpl.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

- **Correspondent Name:** Ohlandt, Greeley, Ruggiero & Perle LLP
- **Address Line 1:** One Landmark Square
- **Address Line 2:** 10th Floor
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### ATTORNEY DOCKET NUMBER:
- 322.8945USX

### NAME OF SUBMITTER:
- Paul D. Greeley

Total Attachments: 2
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- source=322.8945USX#page2.tif
JOINT ASSIGNMENT

The ASSIGNORS,

Tatsuro YOSHIDA
1736 Commonwealth Avenue
West Newton, Massachusetts 02465

Paul J. VERNUCCI
7 Dyer Street
Billerica, Massachusetts 01862

have invented certain new and useful improvements in

OXYGEN DEPLETION DEVICES AND METHODS FOR REMOVING OXYGEN FROM RED BLOOD CELLS

an invention which is fully described in an application for Letters Patent of the United States executed by

them this day; and

The ASSIGNEE, NEW HEALTH SCIENCES, INC., a Delaware corporation having its

principal office at 6903 Rockledge Drive, Suite 230, Bethesda, Maryland 20817-1818, wishes to acquire

the entire right, title and interest in and to the invention and under Letters Patent which may be obtained

for this invention.

For valuable and legally sufficient considerations, receipt of which are hereby acknowledged, the

Assignors sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and

interest for the United States in and to the above-identified invention and application, divisionals,

continuations, and continuation-in-part and for the full term of any Letters Patent of the United States

that may issue for the invention.

The Assignors also sell, assign and transfer to Assignee the entire right, title and interest in and

to the invention and application for Letters Patent and Letters Patent therefor in all countries foreign to

the United States, including all rights under the International Convention. The Assignors further

authorize Assignee to apply for Letters Patent in foreign countries in the name of Assignee, and to claim

the priority of the filing date of the United States Application under the provisions of the International

Convention.
The Assignors further agree, for themselves and their legal representatives, they will assist Assignee in the prosecution before the United States Patent Office and the Federal Courts of this application, and other applications for Letters Patent including renewals, continuations, divisions, reissues and substitutions, that the Assignee elects to make covering the invention. The Assignors vest in Assignee like exclusive title in and to all such other applications and Letters Patent. The Assignors will execute and deliver to Assignee any documents which may be requested by Assignee to carry out the terms of this Assignment.

The Commissioner of Patents of the United States is authorized and requested to issue Letters Patent of the United States to Assignee. The Assignors also authorize and request the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

Tatsuro YOSHIDA
Inventor's Name

Signature
1/6/2012
Date

Paul J. VERNUCCI
Inventor's Name

Signature
1/6/11
Date

Witness

Witness