

PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Paul O'Connor | 03/22/2010 |
| RECEIVING PARTY DATA | |
| Name: | KIOR, Inc. |
| Street Address: | 13001 Bay Park Road |
| City: | Pasadena |
| State/Country: | TEXAS |
| Postal Code: | 77507 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12681053 |
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| ATTORNEY DOCKET NUMBER: | 41040; 5260.145 |
| NAME OF SUBMITTER: | Kameron D. Kelly |
| Total Attachments: 2 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif | |

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PATENT
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ASSIGNMENT

WHEREAS, I, Paul O'Connor of Hoevelaken, Netherlands, have invented certain new and useful improvements in the following

PROCESS FOR REDUCING THE OXYGEN CONTENT OF HIGH-OXYGEN FEEDSTOCKS

for which we are about to make application for Letters Patent of the United States as a National Phase application from our International Application Serial No. pct/ep2008/064003 filed October 16, 2008 (hereafter "said International Application"); and

WHEREAS, KiOR, Inc, a Corporation duly organized under the laws of Texas, and having its principal place of business at 13001 Bay Park Road, Pasadena, TX 77507, is desirous of acquiring an interest in, to and under said invention, said International Application and any and all Letters Patent which may be granted for or upon said invention in the United States of America.

NOW, THEREFORE, to all whom it may concern be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Paul O'Connor, as inventor, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said KiOR, Inc., the full and exclusive right, title and interest, throughout the world, in, to and under the following:


- (a) said invention as fully set forth and described in said International Application;
- (b) said International Application and identified under attorney Docket No. 41040 (0046US);
- (c) any and all Applications for U.S. Letters Patent claiming the benefit of said International Application (hereafter "said U.S. Applications");
- (d) any and all refilings, divisions and continuations of said U.S. Applications;
- (e) any and all Letters Patents of the United States of America which may issue from said U.S. Applications, refilings, divisions and continuations; and
- (f) any and all reissues of said Letters Patents of the United States of America.

ALL of the above shall be held and enjoyed by said for its own use and behoove, and

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for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

Date: March 22, 2010



Paul O'Connor