

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 |
| Hiroshi ONO | 03/16/2011 |
| RECEIVING PARTY DATA | |
| Name: | KABUSHIKI KAISHA TOYOTA JIDOSHOKKI |
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| City: | Aichi-ken |
| State/Country: | JAPAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13071129 |
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| Total Attachments: 1 source=ASSIGNMENT_AS_FILED#page1.tif | |

OP \$40.00 13071129

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

KABUSHIKI KAISHA TOYOTA JIDOSHOKKI

(hereinafter referred to as "ASSIGNEE"), which has a business office at

2-1, Toyoda-cho, Kariya-shi, Aichi-ken, Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

REACTOR AND METHOD FOR MANUFACTURING REACTOR

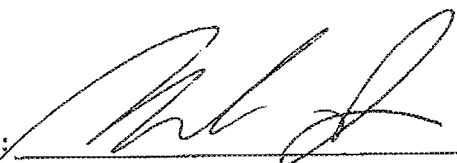
(File No. _____) for which I(we) have executed an application for a United States Letters Patent on March 16, 2011.
(Application Serial No. 13/071,129 filed on March 24, 2011.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Hiroshi Ono Date: March 16, 2011
Name: Hiroshi ONO

Witness:  Date: March 18, 2011