

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stephen R. Lewis</td> <td>12/07/2007</td> </tr> <tr> <td>Shriprasad Lakhpati</td> <td>01/22/2008</td> </tr> <tr> <td>Christopher D. Hanson</td> <td>01/28/2008</td> </tr> <tr> <td>Avinash Manubolu</td> <td>12/18/2007</td> </tr> <tr> <td>Daniel R. Ibrahim</td> <td>12/18/2007</td> </tr> </tbody> </table>		Name	Execution Date	Stephen R. Lewis	12/07/2007	Shriprasad Lakhpati	01/22/2008	Christopher D. Hanson	01/28/2008	Avinash Manubolu	12/18/2007	Daniel R. Ibrahim	12/18/2007
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<table border="1"> <tr> <td>Name:</td> <td>Caterpillar Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 N.E. Adams</td> </tr> <tr> <td>City:</td> <td>Peoria</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>61629-6490</td> </tr> </table>		Name:	Caterpillar Inc.	Street Address:	100 N.E. Adams	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629-6490		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (312)616-5700</p> <p>Phone: (312) 616-5648</p> <p>Email: assignments@leydig.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Elias P. Soupos</p> <p>Address Line 1: Leydig, Voit &amp; Mayer, Ltd.</p> <p>Address Line 2: 180 North Stetson Ave., Suite 4900</p> <p>Address Line 4: Chicago, ILLINOIS 60601-6731</p>													
ATTORNEY DOCKET NUMBER:	707666												
NAME OF SUBMITTER:	Elias P. Soupos												

CH \$40.00 13036881

**Total Attachments: 6**

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**PATENT**  
Attorney Docket No. 701839  
CAT Reference No. 07-679

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza, Suite 4900  
180 North Stetson Avenue  
Chicago, Illinois 60601-6780

**ASSIGNMENT**

Whereas, we,

Stephen R. Lewis, of: 225 WHITE CLOVER Drive, CHICAGO, IL 61523  
(Number and Street, or P.O. Box, City and State, ZIP Code)

Shriprasad Lakhapati, of: 1701 W. Cherry Bud Dr., Apt. 6304, Peoria, IL 61615  
(Number and Street, or P.O. Box, City and State, ZIP Code)

Christopher D. Hanson, of: 1408 Oak Ridge, Washington, IL 61571  
(Number and Street, or P.O. Box, City and State, ZIP Code)

Avinash Manubolu, of: 6418 W. Somer Pl., Edwards, IL 61528; and  
(Number and Street, or P.O. Box, City and State, ZIP Code)

Daniel R. Ibrahim, of: 420 Mackenzie Pl., Metamora, IL 61548  
(Number and Street, or P.O. Box, City and State, ZIP Code)

have invented and own a certain invention entitled:

**FUEL INJECTOR AND METHOD OF ASSEMBLY THEREFOR**

for which invention we have executed an application for a U.S. patent, which was filed on  
January 23, 2008, under U.S. Application No. 12/018,322, and

Whereas, Caterpillar Inc., of 100 N.E. Adams, Peoria, IL 61629-6490, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do

In re Application of: LEWIS et al.  
Attorney Docket No.: 701839  
CAT Ref. No.: 07-679

hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

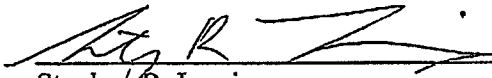
We hereby authorize the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

Upon said consideration, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

We do hereby covenant and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

In witness whereof, we have hereunder set our hands on the dates shown below.

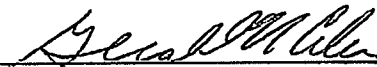
Date 12-7-07

  
Stephen R. Lewis

Date 12-7-07

  
Witness

Date 12-7-07

  
Witness

In re Application of: LEWIS et al.  
Attorney Docket No.: 701839  
CAT Ref. No.: 07-679

In witness whereof, we have hereunder set our hands on the dates shown below.

Date 22 JAN 2008

Shilakapati  
Shriprasad Lakhapati

Date 22 JAN 2008

Prashanth  
Witness - PRASHANTH SASTRY.

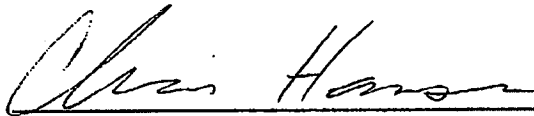
Date 22 JAN 2008

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Witness - TROY COPE

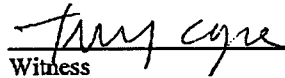
In re Application of: LEWIS et al.  
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In witness whereof, we have hereunder set our hands on the dates shown below.


Date 1-28-08

  
Christopher D. Hanson

Date 1-28-08

  
Witness


Date 1-28-08

  
Witness


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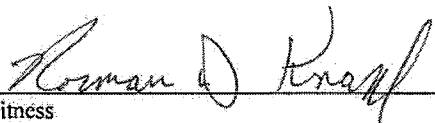
Date 18-Dec-07

  
Avinash Manubolu

Date 18-Dec.-07

  
Witness

Date 18-DEC-07

  
Witness

In re Application of: LEWIS et al.  
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In witness whereof, we have hereunder set our hands on the dates shown below.

Date 18-Dec-07

  
\_\_\_\_\_  
Daniel R. Ibrahim

Date 18-Dec-07

  
\_\_\_\_\_  
Witness

Date 18-Dec-07

  
\_\_\_\_\_  
Witness