

12-18-2002

12-12-02



To the Honorable Commissioner of  
Please record the attached original

102315296

ATTN. BOX ASSIGNMENTS

1. Name of conveying parties:  
Hongliu Du and Mark Vonderwell

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

Name: Caterpillar Inc.

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

Internal Address: [Text]

3. Nature of conveyance:

Street Address: 100 N.E. Adams Street

Assignment  Merger

City: Peoria

Security Agreement  Change of Name

State: Illinois Zip Code: 61629-6490

Other:

Additional name(s) & Address(es) attached?

Execution Date: December 2, 2002

Yes  No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: December 12, 2002

A. Patent Application Number(s): 10/317210

B. Patent Number(s):

[Text]

[Text]

Additional numbers attached?  Yes  No

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

Name: Kurt A. Luther, Esq.

6. Total number of applications and registrations involved:  
one (1)

7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kurt A. Luther  
Reg. No. 43,764

Signature

December 12, 2002

Date

12/17/2002 DBYRNE 00000146 10/317210 Total number of pages including cover sheet, attachments and documents: 3

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## ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

### SENSOR FOR A VARIABLE DISPLACEMENT PUMP

for which We file an application for United States Letters Patent herewith; and


WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Hongliu Du	ASSIGNOR'S SIGNATURE 	DATE 12/2/2002
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Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

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