

RE

08-16-2002



To the Honorable Commissioner of Patents
Please record the attached original document.

102191962

TTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):
David P. Smith

8/12/02

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

Name: Caterpillar Inc.

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

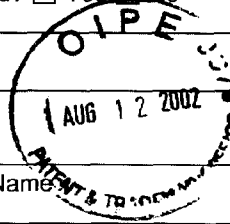
Internal Address:

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other:



Street Address: 100 N. E. Adams Street

City: Peoria

State: IL Zip Code: 61629-6490

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

Execution Date: May 13, 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:

A. Patent Application Number(s):

10/146,899

B. Patent Number(s):

Additional numbers attached? Yes No

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

Name: Christopher P. Isaac

6. Total number of applications and registrations involved:
One

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

Kurt A. Luther, Reg. No. 43,764

Signature

August 12, 2002

Date

Total number of pages including cover sheet, attachments and documents: 4

Shin Caterpillar Mitsubishi Ltd.
200 Main
Akashi, Japan 55555

05-24-2002



102101815

ET

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 8350.0733-00
Attorney Customer Number: 22,852

To the Honorable Commissioner c
Please record the attached origina

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies),
David P. Smith

05/17/02

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

Name: Caterpillar Inc.

U.S. P. 10/146899
05/17/02

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

Internal Address:

3. Nature of conveyance:

Street Address: 100 N. E. Adams Street

Assignment Merger

City: Peoria

Security Agreement Change of Name

State: IL Zip Code: 61629-6490

Other:

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

Execution Date: ✓

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:

10/146899

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? Yes No

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

Name: Christopher P. Isaac

6. Total number of applications and registrations involved:
One

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.

05/20/2002 MGEEREM1 00000029 10146899

04 FC:581

40.00 DP

Kurt A. Luther, Reg. No. 43,764

Signature

May 17, 2002

Date

Total number of pages including cover sheet, attachments and documents: 4

Shin Caterpillar Mitsubishi Ltd.
200 Main
Akashi, Japan 55555

ASSIGNMENT

WHEREAS I, the below named inventor, hereinafter referred to as Assignor, have made an invention entitled:

HYDRAULIC REGENERATION SYSTEM

for which I executed an application for United States Letters Patent concurrently herewith; and

WHEREAS, Caterpillar Inc., a corporation of Delaware, whose post office address is Caterpillar Inc, Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 and Shin Caterpillar Mitsubishi Ltd., a corporation organized under the laws of Japan, 200 Main Akashi, Japan 55555 (hereinafter referred to as Assignee), are 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, I, as Assignor have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my 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 I 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, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me 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, I have hereunto set my hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR David P. Smith	ASSIGNOR'S SIGNATURE <i>David P. Smith</i>	DATE 13 MAY '02
ADDRESS 2806 Grand Prairie Drive, Joliet, IL 60431		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof Yes No

1. WITNESS NAME PHILIP LANGE	WITNESS SIGNATURE <i>P. Lange</i>	DATE 5/13/02
ADDRESS 191 TIMBER DR PLAINFIELD, IL 60544		CITIZENSHIP US

2. WITNESS NAME ARUN KESAVAN	WITNESS SIGNATURE <i>A. Kesavan</i>	DATE 5/13/02
ADDRESS 2301 BICENTENNIAL AVE #8, CREST HILL, IL 60435		CITIZENSHIP INDIA.