

01-08-2001

PATENT



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PTO  
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Execution Date  
Month Day Year

Name (line 1) Chetan J. Desai 12/12/2000

Name (line 2)

Second Party

Execution Date  
Month Day Year

Name (line 1) Xinshuang (NMI) Nan 12/12/2000

Name (line 2)

Receiving Party

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Name (line 1) Caterpillar Inc.

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Address (line 1) 100 N.E. Adams Street

Address (line 2)

Address (line 3) Peoria Illinois 61629-6490  
City State/Country Zip Code

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**Correspondent Name and Address**

Area Code and Telephone Number (309) 675-4280

Name John J. Cheek

Address (line 1) Caterpillar Inc.

Address (line 2) Intellectual Property Department

Address (line 3) 100 N. E. Adams Street

Address (line 4) Peoria, IL 61629-6490

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. • 2

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached  
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Patent Application Number(s)			Patent Number(s)		

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year 12/12/2000

**Patent Cooperation Treaty (PCT)**  
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**Number of Properties** Enter the total number of properties involved. • 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account

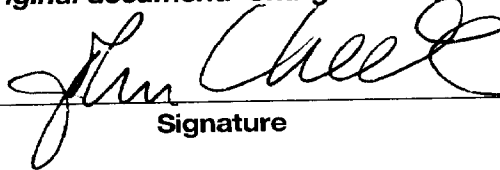
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Docket No. 98-638 Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

John J. Cheek  
Name of Person Signing



12/19/2000  
Signature Date

## ASSIGNMENT

WHEREAS, Chetan J. Desai and Xinshuang (NMI) Nan, residing respectively at Bloomington, Illinois and Bloomington, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

### HYDRAULIC DEVICE WITH ANTI-STICTION FEATURES

for which ASSIGNORS are about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNORS on 12/12/2000 and 12/12/2000; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS;

1. ASSIGNORS hereby sell, assign, transfer and convey unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNORS have the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNORS agree to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNORS hereby authorize and request the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, ASSIGNORS' heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Chetan Desai  
CHETAN J. DESAI

12/12/00  
Date

IN WITNESS OF the execution hereof by CHETAN J. DESAI we have hereunto set our hands.

Frank Jung 12/12/00  
Witness (1) Date

Devin League 12/12/00  
Witness (2) Date

Address: Frank W  
3108 Ridge Crest  
Bloomington, IL 61704

Address: 1405 VERNON #9  
Normal, IL. 61761

Nan Xinquang  
XINSHUANG (NMI) NAN

12/12/00  
Date

IN WITNESS OF the execution hereof by XINSHUANG (NMI) NAN we have hereunto set our hands.

Helledogen 12/12/00  
Witness (1) Date

[Signature] 12/12/00  
Witness (2) Date

Address: 706 E. Timber Str  
Pontiac, IL 61764

Address: 25 Swan Lake  
Bloomington, IL 61704