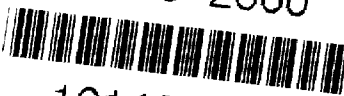
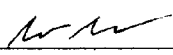


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Director of the U.S. Patent and Trademark Office Box Assignments Washington, D.C. 20231		REC	COVER SHEET 09-19-2000  101462589	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
torney Docket No. <u>106707</u>				
To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.				
1. A. Name of conveying party(ies): Naoyuki MORIYA Hideto FURUTA		2. A. Name and address of receiving party(ies): SHIN CATERPILLAR MITSUBISHI LTD. 10-1, YOGA 4-CHOME SETAGAYA-KU, TOKYO 158-8530 JAPAN		
B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
B. Execution Date: <u>August 17, 2000</u>		C9 601104		
4. A. If this document is being filed together with a new application, the execution date of the application is: _____				
B. Patent Application No.(s) <u>09/601,104</u>		C. Patent No.(s) _____		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> 09/06/2000 RBIZAW 00000097 09601104 40.00 DP Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320		6. Total number of applications and patents involved: <u>1</u>		
		7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u> B. Enclosed (Check No. <u>111511</u>)		
		8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.		
9. Statement and signature. <i>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.</i>  James A. Oliff, Registration No. 27,075 Scott M. Schulte, Registration No. 44,325 Date: <u>September 1, 2000</u> Total number of pages including cover sheet, attachments, and document: <u>2</u>				

ASSIGNMENT

(1-8)

Insert
Name(s)
of Inventor(s)

(1) Naoyuki MORIYA (5) _____
 (2) Hideo FURUTA (6) _____
 (3) _____ (7) _____
 (4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of
Assignee
(10) Insert Address of
Assignee

(9) Shin Caterpillar Mitsubishi Ltd.
 (10) 10-1, Yoga 4-chome, Setagaya-ku, Tokyo 158-8530 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert
Identification
such as Title, Case
Number, or Foreign
Application Number

(11) _____
CONSTRUCTION MACHINE

(Attorney Docket No. 106707)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of
Signing of
Application

(12) on August 17, 2000

(13) Alternative
Identification for
filed applications

(13) U.S. application Serial Number 09/601,104
 filed September 1, 2000

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>August 17, 2000</u>	Inventor Signature	<u>NAOYUKI MORIYA</u>	(SEAL)
Date	<u>August 17, 2000</u>	Inventor Signature	<u>HIDEITO FURUTA</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>2000. 8. 17</u>	Witness	<u>[Signature]</u>
Date	<u>August 17, 2000</u>	Witness	<u>[Signature]</u>