FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

10-31-2000



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PATENT

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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date Month Day Year		
Name (line 1) Brian D. Kuras	09/29/2000		
Name (line 2)	Execution Date		
Second Party	Month Day Year		
Name (line 1)			
Name (line 2)			
Receiving Party	Mark if additional names of receiving parties attached		
Name (line 1) Caterpillar Inc.	If document to be recorded is an assignment and the receiving party is not		
Name (line 2) Intellectual Property Dep	domiciled in the United States, an appointment		
Address (line 1) 100 N.E. Adams Street	of a domestic representative is attached. (Designation must be a		
Address (line 2)	separate document from Assignment.)		
Address (line 3) Peoria	Illinois 61629-6490		
City	State/Country Zip Code		
Domestic Representative Name and A	Enter for the first Receiving Party only.		
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FORM PTO- Expires 06/30/99 OMB 0651-0027		U.S. Department of Commerce Patent and Trademark Office PATENT
Corresponde	nt Name and Address Area Code and Telephone Number (309)	494-1815
Name [J	ohn W. Morrison	
Address (line 1)	aterpillar Inc.	
Address (line 2)	ntellectual Property Department	
Address (line 3)	00 N. E. Adams Street	
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If this document is a signed by the first repart Coope Enter only it	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sant Application Number(s) Patent Number of the Patent Number of the Patent Number of the Sant Application Number of the Sant Application Number of the Patent Application, enter the date the patent application was named executing inventor. PCT PCT PCT PCT PCT PCT Details of the Sant Application Number PCT PCT PCT PCT Details of the Sant Application Number PCT PCT PCT PCT Details of the Sant Application Number PCT PCT PCT PCT Details of the Sant Application Number PCT PCT PCT PCT Details of the Sant Application Number PCT PCT PCT PCT Details of the Sant Application Number PCT	
Fee Amount	Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00	
Deposit A	yment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 03-13	
Statement and	Authorization to charge additional fees: Yes	X No

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 W. Morrison

Name of Person Signing

09/29/2000 Signature Date

ASSIGNMENT

WHEREAS, Brian D. Kuras, residing at East Peoria, Illinois, hereinafter referred to as ASSIGNOR, has invented a new and useful

METHOD AND APPARATUS FOR PREVENTING HUNTING BETWEEN RANGES IN A CONTINUOUSLY VARIABLE TRANSMISSION

for which ASSIGNOR is 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 ASSIGNOR on 9/29/2000; 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 ASSIGNOR from ASSIGNEE, the receipt of which is hereby
acknowledged by ASSIGNOR;
1. ASSIGNOR hereby sells, assigns, transfers and conveys 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 ASSIGNOR has the full right to do so.
2. At the request and expense of ASSIGNEE, ASSIGNOR agreees 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. ASSIGNOR hereby authorizes and requests 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 ASSIGNOR, ASSIGNOR' heirs and legal
representatives.
TO THE PROPERTY OF THE PROPERT
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.
Brian D. Kuras Sept. 29, 2000
BRIAN D. KURAS Date
IN WITNESS OF the execution hereof by BRIAN D. KURAS we have hereunto set our hands.
11 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Uncli L. Mattery 9/29/2000 Thomas T Chang 7-27-2000
Uicli L. Mattery 9/29/2000 Thomas C Cery 9-29-2000 Witness (1) Date Witness (2) Date
Address: Address:
3303 N. Colifornia ave 10016 W. WOOD
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Diana Jana

PATENT RECORDED: 09/29/2000 REEL: 011180 FRAME: 0594