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



U.S. Department of Commerce Patent and Trademark Office PATENT

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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).					
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Reel #	rame #	Depa	rtmental File	Secret File	
Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date Month Day Year					
Name (line 1) Mark W. C	raig			12/12/2001	
Name (line 2)					
Second Party				Execution Date Month Day Year	
Name (line 1) Stephan D	. Roozenboom			12/12/2001	
Name (line 2)					
Receiving Party		Mark	cif additional names of	receiving parties attached	
Name (line 1) Caterpilla	ar Inc.			If document to be recorded is an assignment and the receiving party is not	
Name (line 2) Intellects	of a domestic				
Address (line 1) 100 N.E.	Adams Street			representative is attached. (Designation must be a separate document from	
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U.S. Department of Commerce Patent and Trademark Office PATENT

Correspondent Name and Address Area Code and Telephone Number (309) 675-6717
Name Byron G. Buck II
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.
Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s)
Patent Application Number(s) Patent Number(s) O020825 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 12/12/2001
Patent Cooperation Treaty (PCT) PCT PCT PCT PCT
Enter PCT application number only if a U.S. Application Number PCT
Number of Properties Enter the total number of properties involved. # 1
Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00
Method of Payment: Enclosed Deposit Account X
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 03-1129
Docket No. 00-689 Authorization to charge additional fees: Yes X 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.
Byron G. Buck II Name of Person Signing Signature Date

ASSIGNMENT

WHEREAS, Mark W. Craig and Stephan D. Roozenboom, residing respectively at Mossville, Illinois and Peoria, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

CATALYTIC CONVERTER ASSEMBLY

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 $\frac{12}{12}$ and $\frac{2}{2}$;
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.

PATENT REEL: 012392 FRAME: 0969

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Mary Wag	12 Dec 01
MARK W. CRAIG	Date
	RK W. CRAIG we have hereunto set our hands.
Bri Rolli 12/12/01	Vaccy June 12/12/01 Witness (2) Date
Witness (1) Date	Witness (2) U Date
Address: 3823 U. Pivelorst	
Peoria IL. 61614	w. Peoria Il 121004
Stephen Rogelon	12/12/01
STEPMAN D. ROOZEMBOOM	Date
IN WITNESS OF the execution hereof by STEI hands.	PHAN D. ROOZENBOOM we have hereunto set our
//	C Davis Beals 12 Dec 01 Witness (2) Date
Witness (1) Date	Witness (2) Date
Address: 14915 W. Alexis DR	Address: 1207 E. Brookhill Ra
BrimFiad IL 61517	Peoria, Il 6/615

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RECORDED: 12/13/2001 REEL: 012392 FRAME: 0970