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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date			
Name (line 1) David A. Pierpont	10/02/2000			
Name (line 2)				
Second Party	Execution Date 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 De	partment 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 City	Illinois 61629-6490 Zip Code			
Domestic Representative Name and Address Enter for the first Receiving Party only.				
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U.S. Department of Commerce Patent and Trademark Office PATENT

Correspondent Name and Addre	SS Area Code and Telephone Numb	er (309) 675-4922	
Name Larry G. Cain		0 L	
Address (line 1) Caterpillar Inc.		. S	
Address (line 2) Intellectual Proper	ty Department	09/6/01	
Address (line 3) 100 N. E. Adams Str	eet	7	
Address (line 4) Peoria, IL 61629-6	490		
Pages Enter the total number of including any attachmo	of pages of the attached conveyance do ents.	cument # 1	
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Fee Amount Fee Amo	ount for Properties Listed (37 CFR 3.41): \$ 40.00	
Deposit Account	Enclosed Deposit Account X		
(Enter for payment by deposit account or	if additional fees can be charged to the account.) Deposit Account Number:	# 03-1129	
Docket No. 98-691	Authorization to charge additional fees	: Yes X No	
Statement and Signature			
To the best of my knowledge as	nd belief, the foregoing information is tr	ue and correct and any	
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 gocument. Charges to deposit account are authorized, as			
indicated herein.	H H C		
Larry G. Cain	Jaly Ho am	10/04/2000	
Name of Person Signing	Signature	Date	

ASSIGNMENT

WHEREAS, David A. Pierpont, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR, has invented a new and useful

TWIN TURBINE EXHUAST GAS RE-CIRCULATION SYSTEM HAVING FIXED GEOMETRY TURBINES

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 October 2, 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.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

And Aryout	10/2/03 Date
	VID A. PIERPONT we have hereunto set our hands. Some factor of OCT OO Witness (2) Date
Address: 314 S. Filler	
Lacon II. U1540	Lacon, 1L 61540

PATENT
RECORDED: 10/04/2000 REEL: 011193 FRAME: 0138