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To the Honorable Commissioner of Patents and Trad documents or copy thereof.	lemarks. Please record the attached original	S N
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	26 U
Everett G. Brandt Robert J. McGee Brian D. Rockwood Additional Names attached: [] Yes [X] No	Name: Caterpillar Inc. Internal Address:	7. C
	Intellectual Property Department	
	Street Address: 100 N.E. Adams Street	
3. Nature of Conveyance:	City: Peoria State: Illinois	
<pre>[X] Assignment [] Security Agreement [] Other</pre>	Zip: <u>61629-6490</u>	
Execution Date(s): 08/05/98	Additional name(s) & addresses attached? [] Yes [X] No	
4. Application number(s) or patent number(s): 04	1/133000	
If this document is being filed together with a application is $08/05/98$.	new application, the execution dare of the	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbe	ers attached? [] Yes [X] No	
Title of Invention: METHOD AND APPARATUS F MACHINE Attorney Docket No.: 98-189	OR DETERMINING A PATH TO BE TRAVERSED BY A MOBILE	
Name and address of party to whom correspon-	6. Total number of applications and patents	
dence concerning document should be mailed:	involved [1]	
Name: <u>Steve D. Lundquist</u> <u>CATERPILLAR INC.</u>		
Internal Address: <u>Intellectual Property</u> Department	7. Total fee (37 CFR §3.41) \$ 40.00 [] Enclosed	
Street Address: 100 N. E. Adams Street	[X] Authorized to be charged to deposit account	
City: Peoria State: IL	8. Deposit account number: 03-1129	
Zip: 61629-6490		
P. Statement and signature:		
To the best of my knowledge and belief, the fore attached copy is a true copy of the original doc		
\sim	2 1 1	
Kevin M. Kercher Name of Person Signing	M. Ch. 08/11/98 Signature Date	
Total number of pages comprising cover sheet,	attachments, and document: [3]	
Mail document to be recorded with required cover	sheet information to:	
	atents and Trademarks ssignments	
	on, D.C. 20231	

08/19/1998 TTON11 00000081 031129 09133000 01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS, EVERETT G. BRANDT; ROBERT J. MCGEE; and BRIAN D. ROCKWOOD, residing respectively at Brimfield, Illinois; Peoria, Illinois; and Peoria, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

METHOD AND APPARATUS FOR DETERMINING A PATH TO BE TRAVERSED BY A MOBILE MACHINE

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

8/5/98	8/5/98	and
8/5/98 ;	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.

EVERETT G. BRANDT	8/5/98 Date		
IN WITNESS OF the execution hereof by EVERETT G. BRANDT we have hereunto set our hands.			
Michael) Stant 8/5/98 Witness (1) (Date)	Witness (2) (Date)		
Address: Michael D. Staub	Address: Yan J. V. D. Cegarasi		
5811 Georgetown Rd.	13090 Tena Ust Dice #1711		
Washington, IL 61571	Per a. Ta 61014		
ROBERT J. MOGEE	8/5/98 Date		
IN WITNESS OF the execution hereof by ROB our hands.	ERT J. MCGEE we have hereunto set		
Michael L. Stard 8/5/98 Witness (1) (Date)	## (6/1/4/ S/s/is Witness (2) (Date)		
Address: Muchael & Starl	Address: Brown J. Ve D. Leypon		
5811 Georgetown Rd	2150 M Torres & standing #1211		
Washington, IL 61571	Frank TE COM		
Brian & Rockwood	8/5/98 Date		
IN WITNESS OF the execution hereof by BRI our hands.	AN D. ROCKWOOD we have hereunto set		
Michael Stant 8/5/99 Witness (1) (Date)	Witness (2) (Date)		
Address: Michael D. Stack	Address: Book of Landeleygraf		
5811 Gesigetun Rd	118 to Tenn 6 3th Dr. #1718		
Washington, Il 61501	Paris, IL WILL		