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To the Honorable Commissioner of Patents and Irademarks. reease record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): George (NMI) Codina Name: <u>Caterpillar Inc.</u> Thomas J. Richards Additional Names attached: [] Yes [X] No Internal Address: Intellectual Property Department Street Address: 100 N.E. Adams Street 3. Nature of Conveyance: City: <u>Peoria</u> State: <u>Illinois</u> [X] Assignment Zip: 61629-6490 Security Agreement [] [] Other Execution Date(s): 09/28/99 Additional name(s) & addresses attached? [] Yes [X] No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is 09/28/99. B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? [] Yes [X] No Title of Invention: METHOD AND APPARATUS FOR STARTING AN ENGINE USING CAPACITOR SUPPLIED VOLTAGE Attorney Docket No.: 99-265 6. Total number of applications and patents 5. Name and address of party to whom correspondence concerning document should be mailed: involved [1] Name: Steve D. Lundquist CATERPILLAR INC. 7. Total fee (37 CFR §3.41) \$ 40.00 [] Enclosed Internal Address: Intellectual Property Dept. [X] Authorized to be charged to deposit account Street Address: 100 N. E. Adams Street 8. Deposit account number: 03-1129 _____ State: <u>IL</u> (If charged duplicate copy attached) Zip: 61629-6490 9. 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. Steve D. Lundquist 09/30/99 Name of Person Signing Total number of pages comprising cover sheet, attachments, and document: [3] Mail document to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments 00000082 031129 09409572 10/07/1999 MTHAI1 Washington, D.C. 20231 40.00 CH

> PATENT REEL: 010284 FRAME: 0227

ASSIGNMENT

WHEREAS, GEORGE (NMI) CODINA; and THOMAS J. RICHARDS, residing respectively at Playa del Rey, California; and Peoria, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

METHOD AND APPARATUS FOR STARTING AN ENGINE USING CAPACITOR SUPPLIED VOLTAGE

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

September 28,	1999	. and	September 28,	1999	; and
Debrember 70	1///	,	Debrember 70	, <i>4777</i>	,

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.

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IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

CONTROL COLOR COLOR

RECORDED: 09/30/1999

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