

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

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: 010284 FRAME: 0228

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

George (NMI) Codina
GEORGE (NMI) CODINA

9/28/99
Date

IN WITNESS OF the execution hereof by GEORGE (NMI) CODINA we have hereunto set our hands.

Clara N. Campbell 9/28/99
Witness (1) (Date)

Address: 105 E. Oakwood Rd.
E. Peoria, IL
61611

Sharon 9/28/99
Witness (2) (Date)

Address: 2719 W. Greenbriar
Peoria, IL 61614

Thomas J. Richards
THOMAS J. RICHARDS

28 Sept. 1999
Date

IN WITNESS OF the execution hereof by THOMAS J. RICHARDS we have hereunto set our hands.

Clara N. Campbell 9/28/99
Witness (1) (Date)

Address: 105 E. Oakwood Rd.
E. Peoria, IL
61611

Sharon 9/28/99
Witness (2) (Date)

Address: 2719 W. Greenbriar
Peoria, IL 61614