

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

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S-88750

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9/10/1998

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U.S. Department of Commerce
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1

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Patent Application Number(s)

Patent Number(s)

6,490,914

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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09/048,171 now
pat 6,490,914

Title : *Method of Sensing Crankshaft Position in a Hybrid Electric Vehicle*
Inventor(s) : *John M. Miller & Larry R. Brandenburg*
Serial No. : *09/048,171* Filing Date (U.S.): *March 25, 1998*
Patent No. : Issued:
Contractor : *Ford Motor Company*
DOE Contract No. : *NREL Subcontract No. ZCB-4-13032-02*
under Prime Contract No. DE-AC36-83CH10093
Waiver No. : *W(A)-93-032 (CH-0790)*
Patent Clause : *Appendix MRI/FORD-C (09/20/93)*
DOE Case No. : *S-88,750*

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

None

An advance waiver of Government rights having been granted by DOE to the Contractor, and the above-identified invention having been reported as a subject invention to DOE by the contractor with his election to file a domestic patent application thereon, and foreign applications in the countries noted above, the effective date of said waiver for the above invention is

April 11, 1997

Accordingly, this document is confirmatory of the paid-up, worldwide, license required to be granted to the Government under 10 CFR Part 784 and this contract in this invention, patent application and any resulting patent, and of all other rights acquired by the Government by the referenced clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this *10th* day of *Sept.*, 199*8*

(SEAL)

Ford Motor Company

(Contractor)

By *[Signature]*Tom DeZure, Assistant Secretary

(Contractor's Official and Title)

The American Road, Dearborn, Michigan 48121

(Business Address)

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RECORDED: 05/02/2005

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