

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

U.S. Department of Commerce  
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S-101,897

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Name (line 1) UT-BATTELLE, LLC

Execution Date  
Month Day Year  
4/15/2004

Name (line 2)

Second Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party

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Name (line 1) U. S. Department of Energy

Name (line 2)

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2)

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

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## Correspondent Name and Address

Area Code and Telephone Number

202-586-2810

Name Betty A. WinchesterAddress (line 1) U. S. Department of EnergyAddress (line 2) 1000 Independence Avenue, S.W.Address (line 3) Washington, D. C. 20585-0162Address (line 4) 

## Pages

Enter the total number of pages of the attached conveyance document  
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## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/706,577

Patent Number(s)

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  
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PCT  PCT  PCT 

## Number of Properties

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# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 0.00

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Authorization to charge additional fees:

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indicated herein.

Brenda K. Banks

Name of Person Signing

Brenda K Banks

Signature

5/14/04

Date

10/706,577

DOE Docket ID 1308.1  
S-101,897

## CONFIRMATORY LICENSE

Title: Electric Machine for Hybrid Motor Vehicle  
Inventor(s): John S. Hsu  
Serial No.: 10/706,577  
Filing Date (U.S.): November 12, 2003  
Contractor: UT-Battelle, LLC  
DOE Contract No.: DE-AC05-00OR22725

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provision of the above-numbered contract (certified on 04-13-00) governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U. S. Department of Energy.

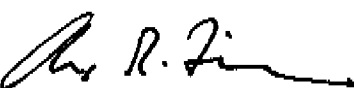
The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agent between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 15<sup>th</sup> day of April, 2004.

UT-Battelle, LLC

By 

Alexander R. Fischer, Director  
Technology Transfer and Economic Development