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Assignment Merger Security Agreement Change of Name	City: Washington
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Executive Order 9424, Confirmatory License  Other  4. Application or patent number(s):	Additional name(s) & address(es) attached? ☐ Yes ✓ No document is being filed together with a new application.
A. Patent Application No.(s) Serial No. 11/690,533	B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name:Mark P. Dvorscak	7. Total fee (37 CFR 1.21(h) & 3.41) \$
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PATENT REEL: 019568 FRAME: 0984

## CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title

METHOD FOR PRODUCING BIO-FUEL THAT

INTEGRATES HEAT FROM CARBON-CARBON BOND-

FORMING REACTIONS TO DRIVE BIOMASS

GASIFICATION REACTIONS

Inventor(s)

James A. Dumesic, Randy D. Cortright

Serial No.

11/690533

Filing Date (U.S.):

3/23/2007

Contractor

University of Wisconsin-

Wisconsin Alumni Research Foundation

DOE Contract No.

DE-FG02-84ER13183

DOE Case No.

Your Case #: S-112,244

Patent Rights Clause No.: DEAR 952.227-71

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

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(SEAL)

Signed this  $29^{\frac{11}{2}}$  day of June, 2007

BY:

Craig J. Christianson

Director of Licensing

614 Walnut Street

Madison, Wisconsin 53705

WARF Ref: P06167US

(Contractor)