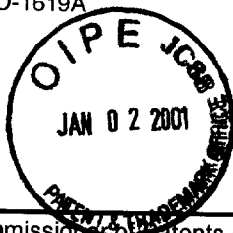


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## Second Party

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## Receiving Party

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Name (line 1) Midwest Research Institute

Name (line 2)

Address (line 1) 425 Volker Boulevard

Address (line 2)

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Missouri

64110

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Name Paul J. White

Address (line 1) National Renewable Energy Laboratory

Address (line 2) 1617 Cole Boulevard

Address (line 3) Golden, CO 80401

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Area Code and Telephone Number 303/384-7575

Name Paul J. White

Address (line 1) Senior Patent Counsel

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## ASSIGNMENT

WHEREAS, I, Bonnie R. Hames of 2522 West 104<sup>th</sup> Circle, Westminster, County of Jefferson, State of Colorado has invented certain new and useful improvements in **Phenol Removal Pretreatment Process**, for which I am about to make application for Letters Patent of the United States, said application being identified as MRI/NREL IR No. 98-21; and; executed concurrently herewith; and;

WHEREAS, I now own the entire right, title and interest therein; and

WHEREAS, Midwest Research Institute, of 425 Volker Blvd., Kansas City, Missouri 64110, a corporation fully organized and existing under the laws of the State of Missouri is desirous of acquiring the entire right, title, and interest therein and thereto;

NOW THEREFORE, be it known that for good and other consideration to me in hand paid, the receipt of which is hereby acknowledged, I, the said Bonnie R. Hames by these presents do sell, assign, and transfer unto the said Midwest Research Institute, its successors, legal representatives and assigns, my entire right, title, and interest in and to said invention and the aforesaid application, for the United States of America and for all foreign countries and to all Letters Patents, continuations and reissues, and extensions to be obtained therefor; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this assignment to Midwest Research Institute, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set

forth hereinafter.

*Janice Brown*  
Witness

*Bonnie R. Hames*  
Bonnie R. Hames

STATE OF COLORADO           )  
  )  
COUNTY OF JEFFERSON       )

Before me, a Notary Public in and for the said County and State, personally appeared Bonnie R. Hames, known to me to be the person whose name is subscribed to the foregoing, and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 21<sup>st</sup> day of December, 2001.

My commission expires:

*Brenda E. Brantley*  
**Brenda E. Brantley**  
**Notary Public**  
**State of Colorado**  
My Commission Expires 10/4/2005

[Seal]

Approved and consented to this 21<sup>st</sup> day of December, 2001.

ATTEST:

*Janice Brown*

MIDWEST RESEARCH INSTITUTE

By *Paul J. White*  
Paul J. White, Reg. No. 30,436  
Its Senior Patent Counsel