

PATENT
File No. 02-103

ASSIGNMENT

Yong Wang
Jianli Hu
Chunshe Cao
Xiaohong Shari Li
Ya-Huei Chin

To

Battelle Memorial Institute

WHEREAS, we, Yong Wang of Richland, County of Benton, State of Washington; Jianli Hu of Kennewick, County of Benton, State of Washington; Chunshe Cao of Kennewick, County of Benton, State of Washington; Xiaohong Shari Li of Richland, County of Benton, State of Washington; and Ya-Huei Chin, of Richland, County of Benton, State of Washington have made certain inventions in, **FISCHER-TROPSCH SYNTHESIS USING MICROCHANNEL TECHNOLOGY AND NOVEL CATALYST AND MICROCHANNEL REACTOR**, described and claimed in Application Serial Number 10/766,296; and

WHEREAS, Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or any patents to be obtained therefore;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) each, and other good valuable considerations, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorized and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them, to the said Battelle Memorial Institute, as the assignee of our entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

And we further covenant and agree that we will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the

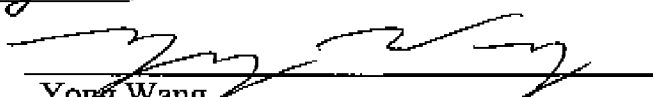
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request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any divisional or renewal of the application herein conveyed, or for reissues or extensions, of any Letters Patent that may be granted upon said Statements, or other papers as desired by the said Battelle Memorial Institute.

And we further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefore in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the assignee herein, as well as all other necessary papers.

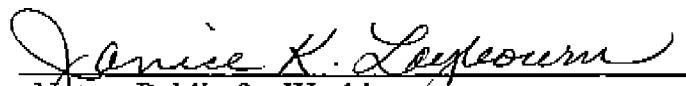
IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at Richland, Washington, this 19th day of July, 2004.


Yong Wang

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

This 19th day of July, 2004, before me personally came the above-named Yong Wang, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.




Notary Public for Washington
My commission expires: 5/25/05

[SEAL]

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IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at
Richland, Washington, this 15 day of July, 2004.

Jianli Hu
Jianli Hu

STATE OF WASHINGTON)

) ss.

COUNTY OF BENTON)

This 15th day of July, 2004, before me personally came the above-named Jianli Hu, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Janice K. Laybourn
Notary Public for Washington


My commission expires: 5/25/05

[SEAL]



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IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at
Richland, Washington, this 16 day of July, 2004.



Chunshe Cao

STATE OF WASHINGTON)
)
) ss.
COUNTY OF BENTON)

This 16 day of July, 2004, before me personally came the above-named Chunshe Cao, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Notary Public for Washington

My commission expires: ~~5/25/05~~ 2/10/2006
RR
7/16/04

