(REV 6-93)	N FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office VELOP0109US
OMB No. 0651-011 (exp.4/94)	arks: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Yong Wang Jianli Hu Chunshe Cao Xiaohong Shari Li Ya-Huei Chin Additional name(s) of conveying party(ies) attached? [] Yes [x] No 3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name	2. Name and address of receiving party(ies): Name: Battelle Memorial Institute Internal Address: Street Address: City: Columbus Obt. 43201
[] Other	State/Country: OH ZIP: 43201 ZIP: 43201 Additional name(s) & address(es) attached? [] Yes [x] No
A. Patent Application No.(s) 10/766,297	B. Patent No.(s) attached? [] Yes [x] No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: [1]
Name: Neil A. DuChez Internal Address: Renner, Otto, Boisselle & Sklar	7. Total fee (37 CFR 3.41)\$ [] Enclosed
Street Address: 1621 Euclid Avenue	[x] Authorized to be charged to deposit account
I9th Floor City: Cleveland	8. Deposit account number: 18-0988
State: OH ZIP: 44I15	(Attach duplicate copy of this page if paying by deposit account)
DO N	IOT USE THIS SPACE
of the original document. Neil A. DuChez	information is true and correct and any attached copy is a true copy
Name of Person Signing Reg. No ^{26,725} Total number of pages including	Signature Date cover sheet attachments, and document: [7]

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 V	WHEREOF I	have hereunto set	my hand and affi	ixed my seal at
Richland, Washington, this <u>/</u> 9	で有 day of _	Jaly, 200	04.	
		Youg Wan		<u></u>
STATE OF WASHINGTON)			
) ss.			
COUNTY OF BENTON)			
This <u>19</u> day of named Yong Wang, who executed	, 17			
admostiled and to me that he even	utad the come	of his own from	vill for the surese	an not farth

[SEAL]

therein.

My commission expires: 5/25/05

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IN TESTIMONY	WHE	REOF I ha	ve hereu	into set my	hand and	affixed my	seal at
Richland, Washington, this 15	d	lay of	<u>nly</u>	, 2004.	1		
				Ani T	Xdin_		
			Jia n	∕li′Hu ″			
STATE OF WASHINGTON)						
)	ss.					
COUNTY OF BENTON)						

This day of ______, 2004, before me personally came the abovenamed 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.

Notary Public for Washington

My commission expires: 5/25/05

[SEAL]



[SEAL]

File No. 02-103

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at
Richland, Washington, this 16 day of July, 2004.
Lorfie Lorfie
Chunshe Cao
STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)
This <u>//e</u> day of <u>July</u> , 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.
Lebeca B Kupp
Notary Public for Washington

My commission expires: $\frac{5\sqrt{25/05}}{\sqrt{25/05}} = \frac{2}{10} / \frac{2006}{\sqrt{25/05}}$

File No. 02-103

Richland, Washington, this 16 day of July , 2004.

Xiaohong Li Y. 2 7/10/04 IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my seal at

STATE OF WASHINGTON

Š\$.

COUNTY OF BENTON

This //e day of ______, 2004, before me personally came the above-named Xiaohong Li, 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.

My commission expires: 5/25/05

[SEAL]



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IN TESTIMONY W	HEREOF I have hereunto set my hand and affixed π	y seal at
Richland, Washington, this(9	frefre-	
	Ya-Huei Chin	
STATE OF WASHINGTON		
	ss.	
COUNTY OF BENTON)	
This <u>/ 9</u> day of	July, 2004, before me personally came the	above-
	d the foregoing instrument in my presence, and who	
acknowledged to me that he execu	ed the same of his own free will for the purposes set	forth
therein.		
•	Motary Public for Washington	m
	Notary Public for Washington	
K. LAYAT	My commission expires: 5/25/05	
[SEAL]		
NOTA A		
Egy PUBLIC /		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	in ^c	
STOP WASHING		

RECORDED: 09/07/2004

PATENT REEL: 015105 FRAME: 0594