10th F 10-1373 (RCV. 03-07)	2-2009 U.S. DEPARTMENT OF COMMERCE				
OMB No. 0651-0027 (exp. 03/31/2009)	United States Patent and Trademark Office				
	3 MILES 1186 4186 (1187 426) .				
	ase record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)				
BEKIR SAMI YILBAS SHAHZADA ZAMAN SHUJA	Name: KING FAHD UNIV. OF PETROLEUM & MINERALS Internal Address: INTELLECTUAL ASSETS OFFICE,				
MAHMOUD KASSAS					
Additional name(s) of conveying party(ies) attached? Yes 🔀 N	INNOVATION CENTER				
3. Nature of conveyance/Execution Date(s):	Street Address: P.O. BOX 5041				
Execution Date(s) MAY 23, 2009	-				
X Assignment Merger					
Security Agreement Change of Name	City: <u>DHAHRAN</u>				
Joint Research Agreement	State:				
Government Interest Assignment	Country: SAUDI ARABIA Zip: 31261				
Executive Order 9424, Confirmatory License	Country: <u>saudi arabia</u> Zip: <u>31261</u>				
Other	Additional name(s) & address(es) attached? Tyes X No				
4. Application or patent number(s):	s document is being filed together with a new application.				
A. Patent Application No.(s)	B. Patent No.(s)				
•					
A.I.P. and an extra con-					
Additional numbers					
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: ONE				
Name: LITMAN LAW OFFICES, LTD.					
Internal Address: DOCKET NO. 18692.90	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00				
Internal Address. DOCKET NO. 18692.90	·				
	Authorized to be charged to deposit account				
Street Address: P.O. BOX 15035, CRYSTAL CITY STATION	Enclosed None required (government interest not affecting title)				
City: ARLINGTON	8. Payment Information				
State: VA Zip: 22215	_(
Phone Number: (703) 486-1000	- December 1 Novel				
Fax Number: (703) 486-7000	Deposit Account Number 06/01/2009 MJAMA1 90000024 12453926				
Email Address:	Authorized User Mame 48.89				
9. Signature: Role HR (1949)					
Signature: Kobut B, Cypro	MAY 27, 2009 Date				
ROBERT B. LYONS, REG. NO. 40,708	Total number of pages including cover 4				
Name of Person Signing	sheet, attachments, and documents:				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

REEL: 022781 FRAME: 0318

PATENT

ASSIGNMENT

WHEREAS, BEKIR S	SAMI YILB	AS, a citizer	n/citizens	of Turkey, r	esiding a	t/whos	e address	is
KFUPM, Mail Box 1913,	Dhahran 312	61, SAUDI	ARABIA,	SHAHZAI	DA ZAI	MAN	SHUJA,	a
citizen/citizens of Pakist	an, residing	at/whose a	address is	KFUPM, M	Iail Box 1	642, Dh	ahran 312	61,
SAUDI ARABIA, and M.	KASSAS,	a citizen/ci	tizens of	**	,	residin	g at/who	se
address is KFUPM, Dhah	ran 31261, Sa	AUDI ARAE	BIA, herein	nafter calle	d the "A	Assigno	or(s)", w	ho
presently own(s) the inv	ention enti	tled METH	OD OF	MODELIN	G FLUI	D FLO	OW OVE	3R
POROUS BLOCKS, for	a full desc	cription of	which ref	erence is m	nade to	a non-	provisior	ıal
application for Letters Pa	tent of the U	Inited States	Serial Nu	mber		(to b	e assigne	:d)
filed on	, 20	_, (filed here	ewith unde	er Attorney 1	Docket N	lo. 186	92.90), a	nd

WHEREAS, KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS, a university organized and existing under the laws of the Nation of SAUDI ARABIA, having its principal place of business/business address at DHAHRAN, 31261, SAUDI ARABIA, hereinafter called the "Assignee" is desirous of acquiring the entire right, title and interest in and to said invention, the above noted application, and to any Letters Patent which may be obtained for said invention, and as hereinafter more fully set forth,

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for and in the consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by said Assignor(s) from said Assignee is hereby acknowledged, the said Assignor(s) has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, the entire right, title and interest in the United States to the invention and above noted application, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor in all countries foreign to the United States; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue.

AND the said Assignor(s) does/do hereby covenant and agree, for himself/themselves and his/their legal representatives, that he/they will assist said Assignee in making and prosecuting any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, investing in the said Assignee like exclusive title in and to all such other applications and Letters Patent, together with all claims for damages and profits by reason of past infringement of all or any of the patents issuing from the Patent Application, with the right to sue for and collect same for Assignee's own use (and for the use of Assignee's successors and assigns); and in the prosecution of any interference which may arise involving said invention, or any application for Letters Patent herein contemplated; and that he/they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this agreement.

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requested by the said Assignee to fully carry out the terms of this agreement.

AND the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this agreement.

IN TESTIMONY WHEREOF, said Assigned hand and affixed his seal this 2.3 day of		
	BEKIR SAMI YILBAS	[SEAL]
STATE OF) COUNTY OF)		
Subscribed and sworn to before me this	day of	, 20
(SEAL)	Notary Public	THE CHARGE SALE.
My Commission expires:		
IN TESTIMONY WHEREOF, said Assignor set his hand and affixed his seal this <u>23</u> day	r, SHAHZADA ZAMAN SHUJA of May SHAHZADA ZAMAN SH	, 20 <u>09</u> [SEAL]
STATE OF) SS		
Subscribed and sworn to before me this	day of	,20
(SEAL)	Notary Public	WT-T-T-T-T-SW-House Makes and Assessment Assessment
My Commission expires:		

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IN TESTIMONY WHEREOF, said Assig hand and affixed his seal this $\frac{23}{2}$ day of		
naild and arrived ins sear tims 200 day of	MAHMOUD KASSAS	[SEAL]
STATE OF) COUNTY OF)		
Subscribed and sworn to before me this	day of	. 20
(SEAL)	Notary Public	
My Commission expires:		

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PATENT REEL: 022781 FRAME: 0321