Nov 19 2004 15:12 P.02

DOCKET NO .: M0925.70145US00

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FORM PTO-1595 U.S. (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)		_	DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Commissioner t	for Patents : Please record	the attached original docume	nts or copy thereof.
1. Name of conveying party(ies):		2. Name and addres	ss of receiving party(ies)
Yang Shao-Horn, John Paul Ku Quinn C. Horn	rpiewski, and		achusetts Institute of Technology 77 Massachusetts Avenue
Additional name(s) of conveying party(ies) attached? [] Yes [X] No		internal Address:	Cambridge, MA 02139
3. Nature of conveyance: [X] Assignment [] Mer	rger	Street Address: 77 Massachusetts Avenu Cambridge, MA 02139	
[] Security Agreement [] Cha [] Other	ange of Name		-
Execution Date: 11/08/04, 11/08/04, and 11/04/04		Additional name(s) & addre	sses(es) attached? [] Yes [X] No
 Application number(s) or patent nu If this document is being filed toget A. Patent Application No.(s) 10/898,031 		cation, the execution dat B. Patent No.(s)	e of the application is
	Additional numbers a	ttached? [] Yes [X] No	
 Name and address of party to who Concerning document should be n 			plications and patents involved: [1]
Name: Robert H. Walat		7. Total fee (37 CFR 3.41) \$40.00	
Address: Wolf, Greenfield & Sacks, P.C. 600 Atlantic Avenue		[] Enclosed	
Boston, MA 02210-220	6	[X] Authorized to i	pe charged to deposit account
		The Commissioner is deficiencies in the end	authorized to charge any closed payment to:
		8. Deposit Account N	lo: 23/2825
	DO NOT USE	E THIS SPACE	
 Statement and signature To the best of my knowledge and it true copy of the original document. 	belief, the foregoing i	nformation is true and co	orrect and any attached copy is a
Robert H. Walat		\supset	November <u>\</u> , 2004
Name of Person Signing	Signat	ure	Date
Total number of pa	ages including cover	sheet, attachments, and	document: [13]
D	all Stop Assignmen irector - U.S. Patent	over sheet information to t Recordation Services t and Trademark Office Indria, VA 22313-1450	3
43297.1 700132815		REE	PATENT EL: 015393 FRAME: 0744

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Yang Shao-Horn, 171 Holworthy Street, Cambridge, MA 02138; John Paul Kurpiewski, 713 Alexander Court, River Vale, NJ 07675; and Quinn C. Horn, 171 Holworthy Street, Cambridge, MA 02138, hereby:

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts 1. corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, our entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on July 23, 2004 under Serial No. 10/898,031 bearing Attorney Docket No. M0925.70145US00, and titled FIBER STRUCTURES INCLUDING CATALYSTS AND METHODS ASSOCIATED WITH THE SAME, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction and all foreign countries on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;

2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me/us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee:

3. Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and

5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

11/08/2004

Address of inventor

Cambridge, MA_02138 Address of inventor

United States of America Citizenship of inventor

State/Commonwealth of Massachusetto

County of Suffer K

on this <u>S</u> day of <u>Movenciae</u>20<u>04</u> before me, the undersigned notary public, personally appeared _______, proved to me through satisfactory evidence of identification, which were

, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief, and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



Signature of Notary Public

My commission expires _______

- 3 -

Date			John Paul Kurpiewski	
			713 Alexander Court	
			Address of inventor	
			River Vale, NJ 07675	
			Address of inventor	
			United States of America	
			Citizenship of inventor	
State/Commonwealth of		:		
County of	:			
proved to	me through satisfa	ctory evidence	ary public, personally appeared of identification, which were	
swore or affirmed to me that the co knowledge and belief, and acknowledge	ntents of the docum	ent are truthfu	(ing or attached document in my presend I and accurate to the best of (his) (her) I it voluntarily for its stated purpose.	
Seal				
		Signat	ture of Notary Public	

My commission expires _____

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- 4 -

Date	Quinn C. Horn
	171 Holworthy Street
	Address of Inventor
	Cambridge, MA 02138
	Address of inventor
	United States of America
	Citizenship of inventor
State/Commonwealth of	:
County of	:
on this day of, 20, befor	re me, the undersigned notary public, personally appeared rough satisfactory evidence of identification, which were
, to be the pe	rson who signed the preceding or attached document in my presence and
swore or affirmed to me that the contents	of the document are truthful and accurate to the best of (his) (her) to me that (he) (she) signed it voluntarily for its stated purpose.
Seal	
	Signature of Notary Public

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2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me/us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

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5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

- 2 -

Yang Shao-Horn
171 Holworthy Street
Address of inventor
Cambridge, MA 02138
Address of inventor
United States of America
Citizenship of inventor
:
igned notary public, personally appeared vevidence of identification, which were the preceding or attached document in my presence and are truthful and accurate to the best of (his) (her) he) signed it voluntarily for its stated purpose.

Seal

Signature of Notary Public

My commission expires

Nov 8, 200 Date

John Paul Kurpiewski

713 Alexander Court Address of inventor

River Vale, NJ 07675 Address of inventor

United States of America Citizenship of inventor

State/Commonwealth of

County of Suffork

on this <u>8</u> day of <u>Novembur</u>20<u>0</u>⁴, before me, the undersigned notary public, personally appeared <u>Jahn hun pie, (Jeki</u>, proved to me through satisfactory evidence of identification, which were <u>MIT</u> <u>1D</u>, to be the person who signed the preceding or attached document in my presence and

swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief, and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



9/2006

Signature

My commission expires _

- 4 -

Date	Quinn C. Hom
	171 Holworthy Street
	Address of inventor
	Cambridge, MA_02138
	Address of inventor
	United States of America
	Citizenship of inventor
State/Commonwealth of	:
County of :	
on this day of, 20, before me, the	e undersigned notary public, personally appeared isfactory evidence of identification, which were signed the preceding or attached document in my presence and
swore or affirmed to me that the contents of the doc	cument are truthful and accurate to the best of (his) (her) t (he) (she) signed it voluntarily for its stated purpose.
Seal	
Jean Jean Jean Jean Jean Jean Jean Jean	Signature of Notary Public

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My commission expires _____

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5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

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- 2 -

Date	Yang Shao-Horn
•	171 Holworthy Street
	Address of inventor
	Cambridge, MA 02138
	Address of inventor
	United States of America
	Citizenship of inventor
State/Commonwealth of	
County of :	
, proved to me through s	he undersigned notary public, personally appeared atisfactory evidence of identification, which were to signed the preceding or attached document in my presence and
swore or affirmed to me that the contents of the d	locument are truthful and accurate to the best of (his) (her) hat (he) (she) signed it voluntarily for its stated purpose.
Seal	

Signature of Notary Public

My commission expires _____

- 3 -

Date	John Paul Kurpiewski	
	713 Alexander Court	
· · · · · ·	Address of inventor	
	River Vale, NJ_07675	
	Address of inventor	
	United States of America	
	Citizenship of Inventor	
State/Commonwealth of	:	
County of :		
on thisday of, 20, before me, the undersigned notary public, personally appeared , proved to me through satisfactory evidence of identification, which were , to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her)		
swore or aπirmed to me that the contents of the docum knowledge and belief, and acknowledged to me that (he	ent are truthful and accurate to the best of (his) (her)) (she) signed it voluntarily for its stated purpose.	
Seal		

Signature of Notary Public

My commission expires

19 - 18 19

Didon

171 Holworthy Street Address of inventor

Cambridge, MA 02138 Address of inventor

<u>United States of America</u> Citizenship of inventor

State/Commonwealth of Massachuselts.

county of Middlesex

on this <u>4</u>thday of <u>Nov</u>, 20<u>04</u> before me, the undersigned notary public, personally appeared <u>Quinn</u> <u>Horn</u>, proved to me through satisfactory evidence of identification, which were **Nove** <u>Unense</u>, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief, and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

Seal

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Signature of Notary Public

My commission expires May 22.2011



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