FORM PTO-1619A Expres 06/30/99 OM8 0551-0027

03-29-1999

U.S. Department of Commerce Patent and Trademark Office PATENT



100005461

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RECORD	PATION FORM COVER SHEET			
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).				
Submission Type	Conveyance Type			
X New	X Assignment Security Agreement			
Resubmission (Non-Recordation) Document ID#	License Change of Name			
Correction of PTO Error	Merger Other			
Reel # Frame # Corrective Document	U.S. Government (For Use ONLY by U.S. Government Agencies)			
Reel # Frame #	Departmental File Secret File			
Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date Month Day Year			
Name (line 1) KRIVEN, WALTRAUD M.	02041999			
Name (line 2)	Execution Date			
Second Party Name (line 1) LEE, SANG-JEN	Month Day Year 02041999			
Name (line 2)				
Receiving Party Mark if additional names of receiving parties attached				
Name (line 1) THE BOARD OF TRUSTEES O	F THE UNIVERSITY OF ILLINOIS If document to be recorded is an assignment and the			
Name (line 2) a corporation of the State of Illinois receiving party is not domiciled in the United States, an appointment				
Address (line 1) 506 South Wright Street	of a domestic representative is attached. (Designation must be a			
Address (line 2)	separate document from Assignment.)			
Address (line 3) Urbana Gity	IL 61801 State/Country Zip Code			
Domestic Representative Name and Address Enter for the first Receiving Party only.				
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03/26/1999 DMGLIYEN 00000252 09234172 \				
01 FC:581 (40.00 gp)				

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Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

REEL: 9840 FRAME: 0511

FORM PTC Expires 06/30/99 OMB 0651-0027	O-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspond	lent Name and Address	Area Code and Telephone Number	(317) 634-3456	
Name	Kenneth A. Gandy			
Address (line 1)	Woodard, Emhardt, Naughton, Moriarty & McNett			
Address (line 2)	111 Monument Circle, Suite 3700			
Address (line 3)	Bank One Center/Tower			
Address (line 4)	Indianapolis, Indian	na 46204-5137		
Pages	Enter the total number of pagincluding any attachments.	ges of the attached conveyance docun	nent # 4	
• •	Number(s) or Patent Num		additional numbers attached	
		alent Number (DO NOT ENTER BOTH numbers	for the same property).	
	ent Application Number(s)	Paten	t Number(s)	
09/234,172	2]			
	being filed together with a <u>new</u> Patent t named executing inventor.	t Application, enter the date the patent application	on was Month Day Year	
Patent Coope	eration Treaty (PCT)			
•	r PCT application number	PCT PCT	PCT	
	if a.U.S. Application Number	PCT PCT	PCT	
	not been assigned.	PCI	PCI	
Number of Pi	r operties Enter the tota	I number of properties involved. #	1	
Fee Amount	Fee Amount fo	r Properties Listed (37 CFR 3.41): \$	40.00	
Method of Payment: Enclosed XX Deposit Account Deposit Account				
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 23-3030				
	•	thorization to charge additional fees:	Yes X No	
Statement an	d Signature			
attached		ef, the foregoing information is true and iginal document. Charges to deposit a		
James B. M	yers, Jr.	James B. Myors M	March 17, 1999	
Name o	of Person Signing	Signature / /	Date	
	,	/		

PATENT REEL: 9840 FRAME: 0512

ASSIGNMENT

WHEREAS, Waltraud M. Kriven and Sang-Jin Lee, of 915 West Church Street,
1004 E. Kerr Ave., Apt. 202 61802
Champaign, Illinois 61821 and 1002 S. Kerr Ave., #204, Urbana, Illinois 61801, hereinafter
referred to as Assignors, have made a new and useful invention in, respectively TOUGHENING
OF CERAMIC COMPOSITES BY TRANSFORMATION WEAKENING OF
INTERPHASES for which Assignors have made or will make application for Letters Patent of
the United States; and

WHEREAS, The Board of Trustees of the University of Illinois, hereinafter referred to as Assignee, a corporation of the State of Illinois having a principal place of business at 506 South Wright Street, Urbana, Illinois 61801 desires to acquire all of the entire right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and in, to and under said application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefor and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for an in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under said invention disclosed, described and claimed or intended so to be in said application, and any and all other applications thereon and arising therefrom, including any and all divisions and continuations thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignors hereby authorize and request the firm of Woodard, Emhardt, Naughton,

Moriarty & McNett of Bank One Center Tower, 111 Monument Circle, Suite 3700, Indianapolis,
filed

Indiana 46204-5137 to insert here in parentheses (Serial No. 09/234,172, 1/19/99)

the date and serial number of said application when officially known, and Assignors hereby

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PATENT REEL: 9840 FRAME: 0513 authorize and request the Honorable Assistant Secretary and Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignors' hand this 444 day of FBHLAIZY, 1999.

Waltraud M. Kriven

Sang-Jin Lee

STATE OF ILLINOIS

COUNTY OF CHAMPAIGN

Before me, a Notary Public, in and for said Country and State, personally appeared the above-named Assignors, Waltraud M. Kriven and Sang-Jin Lee, to me personally known, and who executed the foregoing Assignment in my presence and acknowledged the execution thereof as their free and voluntary act and deed for the uses and purposes therein set forth and expressed.

)) SS:

WITNESS my hand and Notarial Seal this 4-41-day of Low Day, 1999

OFFICIAL SEAL
ISABEL YORK BUSCH
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 10-9-2001

Notary Public

Printed: 15ABEL YOICK BUS

Resident of CHAMPA GN County

My Commission Expires:

October 9, 2001

RECORDED: 03/25/1999

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