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FORM PTO-1595 . (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Tab settings	U.S. Department of Commerce Patent and Trademark Office OUR FILE CWR-8062	
To the Honorable Commissioner of Patent	103160496 103160496 103160496	
Name of conveying party(ies)/Execution Dates: Chung-Chiun Liu	Name and address of receiving party(ies): Name: Case Western Reserve University	
Execution Date(s): January 10, 2006	Internal Address:	
Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No	THE ST. FE.	
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Government Interest Assignment	Street Address: 10900 Euclid Avenue City: Cleveland State: OH Zip: 44106	
Executive Order 9424, Confirmatory License Other: Other:	Additional name(s) and address(es) attached? ☐ Yes ☒ No	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application, the execution date of the application is		
A Patent Application No.(s): 10/663,593, filed September 16, 2003	B. Patent No.(s):	
Additional numbers attached? Yes No		
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Richard S. Wesorick	7. Total fee (37 1.21(h) & 3.41)\$40.00	
internal Address: Tarolli, Sundheim, Covell, & Tummino L.L.P.	Enclosed is a check for the amount indicated above.Authorized to be charged to deposit account.	
Street Address: 526 Superior Avenue, Suite 1111	☐ Authorized to be charged by credit card	
City: Cleveland State: OH Zip: 44114-1400	None required (government interest not affecting title)	
Phone Number: (216) 621-2234	8. Payment Information	
Fax Number: (216) 621-4072	a. Credit Card: Last 4 Numbers Expiration Date:	
Email Address: RWesorick@tarolli.com	Authorized User:	
	b. Deposit Account No.: 20-0090 (<u>charge for insufficient fees only)</u>	
	(Attach duplicate copy of this page if paying by deposit account)	
9. Signature:		
Richard S. Wesorick Name of Person Signing Reg. No. 40,871 Total number of pages including the second sec	### ### ##############################	

Mail Documents to be recorded with required cover sheet Information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

ASSIGNMENT

WHEREAS, I, CHUNG-CHION LIU of Colors, County of County

WHEREAS, Case Western Reserve University, a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to me paid, the receipt whereof is hereby acknowledged, I do hereby assign, sell and set over unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 10/663,593, for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and I hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said Case Western Reserve University, its successors or assigns; and I further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

Signed	at Chareland	
County of	al Cheveland	and State of otho
This		day of
STATE OF	Ohio.	Print Name: CHUNG-CHIUN LIU
COUNTY OF	Cuyahoga	_)
	1.4	

On this 10 to day of cancer, 2006.

Personally appeared before mechang-chan to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Wirane A. Olseel

and the purposes therein mentioned.

RECORDED: 01/17/2006

A STATE OF S

VIRGINIA A. OLSZEWSKI

Notary Public

In and for the State of Ohio

My Commission Expires Oct. 20, 2007

Recorded in Lake County

PATENT REEL: 017464 FRAME: 0472