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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Hatsuo Ishida Name: Case Western Reserve University Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No Internal Address: Nature of conveyance: □ Merger Street Address: 10900 Euclid Avenue ☐ Security Agreement □ Change of Name ☐ Other: _____ City: Cleveland State: OH ZIP: 44106 Execution Date: February 22, 2001 Additional name(s) & 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: B. Patent No.(s): A. Patent Application No.(s): 09/311,132 Additional numbers attached? ☐ Yes ☒ No 6. Total number of applications 5. Name and address of party to whom correspondence and patents involved: concerning document should be mailed: Name: Hudak & Shunk Co., L.P.A. 7. Total fee (37 CFR 3.41) \$ 40.00 図 Enclosed Internal Address: Suite 808 ☐ Authorized to be charged to deposit account. Street Address: 7 West Bowery Street 8. Deposit account number: State: OH ZIP: 44308-1133 City: Akron 08-3150 for insufficient funds
(Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true 9. Statement and signature. copy of the original document. Daniel J. Hudak Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 3 Atty Docket: EP1016

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PATENT

REEL: 011557 FRAME: 0158

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO

a University organized under the laws of the State of Ohio, domiciled at

10900 Euclid Avenue, Cleveland, OH 44106

U.S.A., receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto said assignee the entire right, title and interest in and to the invention or improvement in

"GENERAL APPROACH TO NANOCOMPOSITE PREPARATION"

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date(s), as well as any divisional, continuing, reissue, reexamination, or other patent applications, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

AND SAID ASSIGNEE IS HEREBY AUTHORIZED to make application for and to receive Letters Patent for said invention in any of said countries at its election.

AND BY THIS COVENANT the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor to said Assignee, its successors, assigns or other legal representatives, and, upon the request of said assignee, will execute any divisional, continuing, reissue, reexamination, or other applications for patents for said invention, in any country, and will make all rightful oaths and do all lawful acts requisite for aiding, procuring, or maintaining the same or for aiding therein.

AND THE COMMISSIONER of Patents is hereby authorized and requested to issue any and all Letters Patent to the United States for said invention, to said assignee.

SIGNED and sealed as indicated adjacent our signatures.

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PATENT REEL: 011557 FRAME: 0159

Date: J. b. 22, 200/	Melsians
	Hatsuo Ishida

STATE OF OHIO) SS: COUNTY OF Cryspage)

BEFORE ME, a Notary Public in and for said County and State, personally appeared **HATSUO ISHIDA**, who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this day of Juliusy, 2001.

Notary Public ROSTINGER MUSIC

(SEAL)

Atty: Docket: EP 1016

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