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(Rev. 6-93)	U.S. DEPARTMENT OF COM C SHEET Patent and Trademark Of 848378
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To the Assist Please record the attac	tant Commissioner for Patents: ched original documents or copy thereof.
1. Name of conveying party(ies): Edward E. OWEN	<ol> <li>Name and address of receiving party(ies)</li> <li>Name:</li></ol>
Additional name(s) of conveying party(ies) attached? 🗆 Yes 🗹	Internal Address:
3. Nature of conveyance:	
🗹 Assignment 🛛 Merger	Street Address: <u>11 Dearborn Road</u>
□ Security Agreement □ Change of Name	City: Peabody
□ Other	State: MA ZIP:01960
Execution Date: August 27, 2001	Additional name(s) & address(es) attached?  Yes  No
4 Application number(c) as activity in ( )	Mattional name(s) & address(85) attached? □ Yes ☑ No
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together wit the execution date of the application is:</li> </ol>	th a new application,
A. Patent Application No.(s)	B. Patent No. (s)
09/868,345	
	and the second
	1 numbers attached?  Yes  No 6. Total number of applications and
5. Name and address of party to whom correspond concerning document should be mailed:	dence patents involved:
Name: David C. Hanson	7. Total fee (37 CFR 3.41)\$40.00
Internal Address: Webb Ziesenheim Logsdon	Inclosed
Orkin & Hanson, P.C.	
Street Address: _700 Koppers Building	□ Authorized to be charged to deposit account
436 Seventh Avenue	8. Deposit account number:
City: <u>Pittsburgh</u> State: <u>PA</u> ZIP: <u>15219-</u>	1818 (Attach triplicate copy of this page if paying by deposit account
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9. Statement and signature. To the best of my knowledge and belief, the is a true copy of the original document. David C. Hanson, Reg. No. 23,024 Name of Person Signing	foregoing information is true and correct and any attached of Detember 12, 200 Signature Date
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REEL: 012162 FRAME: 0371

## ASSIGNMENT

WHEREAS, I, Edward E. OWEN, residing in the City of Nashua, County of Hillsborough, State of New Hampshire, together with Charles D. MARTIN, Gary L. SAMUELSON and Jeffrey W. FINCH as joint inventors, have invented certain new and useful improvements in "IN-LINE REFLECTING TIME-OF-FLIGHT MASS SPECTROMETER FOR MOLECULAR STRUCTURAL ANALYSIS USING COLLISION INDUCED DISSOCIATION" for which a patent application was received in the United States Patent and Trademark Office on June 15, 2001 and bears Serial No. 09/868,345 and filed a United States Provisional Application on December 17, 1998 which bears Serial No. 60/112,615 (hereinafter "said applications");

AND, WHEREAS, JEOL USA, INC., a corporation of Delaware, having a place of business at 11 Dearborn Road, Peabody, Massachusetts 01960, hereinafter called the "assignee", is desirous of acquiring my entire right, title, and interest in and to said applications and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said applications and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of an undivided fractional interest in the said applications, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-inpart, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said

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assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

Date Cuquet 27, 2001 Inventor Edward E. Owen