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100794875 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Michael D. Frederickson Name: American Competitiveness Institute, Inc. Jeff K. Latham Alex E. Cragoe Internal Address: Additional name(s) of conveying party(ies) attached? □ Yes ⊠ No 3. Nature of conveyance: Street Address: Plymouth Meeting Executive Campus □ Merger 630 West Germantown Pike, Suite 100 ■ Assignment □ Security Agreement □ Change of Name City: Plymouth Meeting State: Pennsylvania ZIP: 19462 □ Other. Execution Date: August 5, 1998 Additional name(s) & address(es) attached? □ Yes

No B. 4. Application number(s) or Patent number(s): Patent No.(s) A. Patent Application No.(s) 09/033,522 Additional numbers attached? □ Yes ⊠ No 5. Name and address of party to whom correspondence Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41):....\$40.00 Name: James A. Coles Internal Address:Bose McKinney & Evans Street Address: 135 N. Pennsylvania Street, # 2700 □ Authorized to be charged to deposit account Indianapolis, Indiana 46204 317-684-5000 Telephone: 8. Deposit account number: 02-3223. Commissioner hereby authorized to charge any defect in fees or credit any overpayment to said deposit account. (Attach duplicate copy of this page if paying by 08/11/1998 DHGUYEN 00000001 09033522 deposit account) 40.00 OP 01 F**C:**581 DO NOT USE THIS SPACE 9. State and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. August 6, 1998 James A. Coles, #28,291 gnature Name of Person Signing fotal number of pages including cover sheet, attachments, and document: 4

REEL: 9378 FRAME: 0538

ASSIGNMENT

Attorney Docket No.: <u>9514-0004</u>

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s)	Michael D. Frederickson		
of Inventor(s)	Jeff K.Latham		
``	Alex E. Cragoe , and		
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled		
itle of pplication IMPEDANCE SPECTROSCOPY MEASUREMENT SYSTEM			
Date of	Which has been executed by the undersigned on		
signing of Application by each inventor	<u>7/23/98</u> , <u>7/23/98</u> , <u>7/23/98</u> , and		
	the undersigned hereby sell(s), assign(s), and set(s) over to		
Name of Assignee	American Competitiveness Institute, Inc.		
Address of principal	Plymouth Meeting Executive Campus, 630 West Germantown Pike, Suite 100		
place of business	Plymouth Meeting, Pennsylvania 19462		
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of Pennsylvania		

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such Interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to do all other acts which, in the opinion of Assignees, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be

PATENT REEL: 9378 FRAME: 0539 approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WIT	NESS WHEREOF, I have executed this assignme	nt at <u>Indianapolis, Indiana</u>		
this <u>5th</u> day of _	, 1998.			
Outside the USA; Witnesses are	Witness	Inventor (Signature)		
required when acknowledgment before a Notary		Michael D. Frederickson		
Public is not feasible.	Witness	Inventor (Printed Name)		
ACKNOWLEDGMENT				
STATE OF N	<u>diana</u>			
COUNTY OF $\underline{\gamma}$	Nation) ss:			
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this day of 400000000000000000000000000000000000				
	. 0	Ribeca J. Wilson		
		Rebecca F. Wilson Rebecca F. Wilson		
		Printed Name		
My Commission Expires: Leptenble 5, 2000 Resident of Marion County.				
IN WITNESS WHEREOF, I have executed this assignment at <u>Indianapolis</u> , Indiana this <u>5</u> day of <u>August</u> , 1998.				
Outside the USA;		A deno		
Witnesses are required when	Witness	Inventor (Signature)		
acknowledgment before a Notary		Jeff K. Latham		
Public is not feasible.	Witness	Inventor (Printed Name)		

ACKNOWLEDGMENT

STATE OF Indiana				
COUNTY OF Marion) SS:				
Acknowledged before me, a Notary Public, within and fo Seal this	Rebecca F. Wilson			
	Printed Name			
My Commission Expires: September 5, 2000. Resid	lent of Marion County.			
IN WITNESS WHEREOF, I have executed this assignment this 5 day of 4 g ust, 1998.	ent at <u>Indianapolis, Indiana</u>			
Outside the USA;	Af E Caye			
Witnesses are Witness required when acknowledgment before a Notary	Inventor (Signature) Alex E. Cragoe			
Public is not Witness feasible.	Inventor (Printed Name)			
ACKNOWLEDGMENT				
COUNTY OF MURION SS:				
Acknowledged before me, a Notary Public, within and for Seal this, 1998.				
	Rebecca F. Wilson Rebecca F. Wilson			
My Commission Expires: September 5, 2000 Resid	Printed Name			
My Commission Expires.				

PATENT APPLICATION SERIAL NO. 09/033,522 FILED MARCH 2, 1998

RECORDED: 08/10/1998 REEL: 9378 FRAME: 0541