

ASSIGNMENT

For valuable consideration, We, **MINH LE**, OF COLORADO SPRINGS, COLORADO; **KUANG HAN CHEN**, OF BOSTON, MASSACHUSETTS; **TABER H. SMITH**, OF DALLAS, TEXAS; **DUANE S. BONING**, OF BELMONT, MASSACHUSETTS; AND **HERBERT H. SAWIN**, OF CHESTNUT HILL, MASSACHUSETTS; hereby assign to **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and its successors and assigns (collectively hereinafter called "ASSIGNEE"), the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of the patent specification filed **October 23, 1997**, as application Serial No. **08/956,575**, and entitled **MONITOR OF PLASMA PROCESSES WITH MULTIVARIATE STATISTICAL ANALYSIS OF PLASMA EMISSION SPECTRA**; this assignment including said application and any and all the United States and foreign patent applications and patents granted for any of said inventions or improvements, and the right to claim priority based on the filing date of this application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purpose; and we authorize ASSIGNEE to apply, by attorneys and/or agents of ASSIGNEE selection, in all countries in the inventors' names or its own name for patents and like rights of exclusion and for inventors' certificates for said inventions and improvements; and it is agreed for ourselves and our respective heirs, legal representatives, and assigns, without further compensation, to perform such lawful acts including the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved, and to sign such further applications for patents, including those of foreign countries, and substitution, reissue, divisional, or continuation applications or other such further applications, and to sign such further assignments, preliminary statements, and other lawful documents as ASSIGNEE may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and affix my seal at Colorado Springs,
Colorado this 6 day of April, 1998.

STATE OF COLORADO Minh Le

COUNTY OF EL PASO SS.

Before me this 6 day of April, 1998, personally appeared **MINH LE**, known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Amy Bonner
NOTARY PUBLIC

[Notary's Seal Here]

My Commission expires: 5/20/2001

My Commission Expires May 20, 2001

IN WITNESS WHEREOF, I hereto set my hand and affix my seal at Cambridge,
Mass. this 13th day of April, 1998

STATE OF MA Kuang Han Chen
SS.

COUNTY OF Middlesex.

Before me this 13th day of April, 1998, personally appeared **KUANG HAN CHEN**, known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Maria Nargi
NOTARY PUBLIC



[Notary's Seal Here]

My Commission expires: 11/10/2000

IN WITNESS WHEREOF, I hereto set my hand and affix my seal at Dallas,
Texas this 31st day of March, 1998

STATE OF Texas Taber H. Smith
SS.

COUNTY OF Dallas.

Before me this 31st day of March, 1998, personally appeared **TABER H. SMITH**, known to me to be the person whose name of subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

W. J. Stroed
NOTARY PUBLIC

[Notary's Seal Here]

My Commission expires:

July 10, 2000

IN WITNESS WHEREOF, I hereto set my hand and affix my seal at Cambridge,
Massachusetts this 13th day of April, 1998

STATE OF Massachusetts Duane S Bonj
SS.

COUNTY OF Middlesex

Before me this 13th day of April, 1998, personally appeared
DUANE S. BONING, known to me to be the person whose name of subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the purposes
therein contained.

Maria Nargi
NOTARY PUBLIC

[Notary's Seal Here]



My Commission expires: 11/10/2000

IN WITNESS WHEREOF, I hereto set my hand and affix my seal at Cambridge,
Massachusetts this 13 day of April, 1998

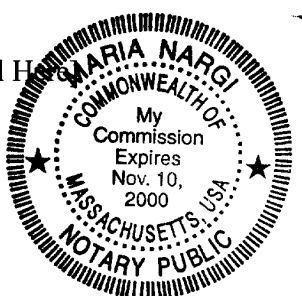
STATE OF Massachusetts Herbert H. Sawin
SS.

COUNTY OF Middlesex

Before me this 13th day of April, 1998, personally appeared
HERBERT H. SAWIN, known to me to be the person whose name of subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the purposes
therein contained.

Maria Nargi
NOTARY PUBLIC

[Notary's Seal Here]



My Commission expires: 11/10/2000