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Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date							
Name William M. Holber	Month Day Year 02/16/95						
Name Donald K. Smith	02/16/95						
Name Matthew M. Besen	02/16/95						
Name Matthew P. Fitzner	02/16/95						
Name Eric J. Georgelis	02/16/95						
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Page 2 PATENT							
Correspondent Name and Address							
Area Code and Telephone Number (617) 248-7000							
Name Patent Administrator							
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00							
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Atty. Docket No. ASX-010 (473/6)

ASSIGNMENT

WHEREAS, We, William M. Holber, Donald K. Smith, Matthew M. Besen, Matthew P. Fitzner and Eric J. Georgeis, have invented one or more improvements in:

FLUID-COOLED MICROWAVE PLASMA APPLICATOR FOR ABSORBING FLUIDS described in an application for Letters Patent of the United States:

⊠ Paten	executed by u t Office;	s of even da	te herewith and abou	ut to be filed in the U	Inited States	
	Serial No. 0	/ file	ed in the United State	es Patent Office on	; and	6,01
WHE	REAS, Applied	Science and	Technology, Inc. (he	es Patent Office on State of Delaw Pereinafter "ASSIGNE" Immonwealth of Mas	E"), a	
corporation of	organized and e	xisting unde	er the laws of the Co	mmonwealth of Mas	sachuseus,	
	-	ousiness at 3	5 Cabot Road, Wobi	urn, MA 01801 desi	res to acquire	
an interest th	erein;					

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of the said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the said invention as described in said application, together with the entire right, title and interest in and to the said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and or preliminary or other

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Joint Assignment Page 2

statements and 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 we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment if appropriate.

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below. Mell M. Wh Inventor: Commonwealth/State of Massachusetts County of Middlesex) ss day of February, 1995. **Notary Public** My Commission Expires: Inventor: Donald K. Smith Commonwealth of Massachusetts) County of Middlesex) ss Subscribed and sworn to before me, by the above-named Donald K. Smith this day of February, 1995.

Notary Public

My Commission Expires:

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Commonwealth of Massachusetts) County of Middlesex) ss Subscribed and sworn to before me, by the above-named Matthew M. Besen this day of February, 1995. **Notary Public** My Commission Expires: Matthew P. Fitzner Inventor: Commonwealth of Massachusetts) County of Middlesex) ss Subscribed and sworn to before me, by the above-named Matthew P. Fitzner this day of February, 1995. Notary Public My Commission Expires: Inventor: Commonwealth/State of Massachusetts County of Middlesex) ss Subscribed and sworn to before me, by the above-named Eric G. Georgelis this 1005 day of February, 1995. **Notary Public** My Commission/Expires:

Inventor:

PATENT RECORDED: 09/10/2001 REEL: 012134 FRAME: 0919