

09-13-2001

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Conveying Party(ies) Mark if additional names of conveying parties attached

Name	Execution Date		
	Month	Day	Year
William M. Holber	02	16	95
Donald K. Smith	02	16	95
Matthew M. Besen	02	16	95
Matthew P. Fitzner	02	16	95
Eric J. Georgelis	02	16	95

Receiving Party Mark if additional names of receiving parties attached

Name (line 1)	Applied Science and Technology, Inc.			<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)
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Correspondent Name and Address

Area Code and Telephone Number (617) 248-7000

Name Patent Administrator

Address (line 1) Testa, Hurwitz & Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments. 3

Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Table with columns for Patent Application Number(s) and Patent Number(s). Includes handwritten entry 5,625,259.

Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. PCT [] PCT [] PCT []

Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Enclosed [X] Deposit Account [] Deposit Account Number # 20-0531 Authorization to charge additional fees: Yes [X] No []

Statement 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. Charges to deposit account are authorized, as indicated herein.

Joseph A. Capraro, Jr. Name of Person Signing [Signature] Signature [Date] Date

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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:

executed by us of even date herewith and about to be filed in the United States Patent Office;

Serial No. 0 / filed in the United States Patent Office on ; and

WHEREAS, Applied Science and Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the ~~Commonwealth of Massachusetts~~, ^{→ State of Delaware} and having a usual place of business at 35 Cabot Road, Woburn, MA 01801 desires to acquire an interest therein; Jac 9,6,01

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

PATENT
REEL: 012134 FRAME: 0917

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.

William M. Holber
Inventor: William M. Holber

Commonwealth/State of Massachusetts)
County of Middlesex) ss

Subscribed and sworn to before me, by the above-named William M. Holber this 16th day of February, 1995.

Edward J. Kelly
Notary Public
My Commission Expires: July 18, 1997.

Donald K. Smith
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 16th day of February, 1995.

Edward J. Kelly
Notary Public
My Commission Expires: July 18, 1997.

Matthew M. Besen
Inventor: Matthew M. Besen

Commonwealth of Massachusetts)
County of Middlesex) ss

Subscribed and sworn to before me, by the above-named Matthew M. Besen this 16th
day of February, 1995.

Edward J. Kelly
Notary Public
My Commission Expires: July 18, 1997

Matthew P. Fitzner
Inventor: Matthew P. Fitzner

Commonwealth of Massachusetts)
County of Middlesex) ss

Subscribed and sworn to before me, by the above-named Matthew P. Fitzner this 16th
day of February, 1995.

Edward J. Kelly
Notary Public
My Commission Expires: July 18, 1997

Eric G. Georgelis
Inventor: Eric G. Georgelis

Commonwealth/State of Massachusetts)
County of Middlesex) ss

Subscribed and sworn to before me, by the above-named Eric G. Georgelis this 16th
day of February, 1995.

Edward J. Kelly
Notary Public
My Commission Expires: July 18, 1997

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