# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Donald K. Smith	08/21/1997
Xing Chen	08/22/1997
William M. Holber	08/25/1997
Eric Georgelis	08/22/1997

#### **RECEIVING PARTY DATA**

Name:	Applied Science and Technology, Inc.	
Street Address:	35 Cabot Road	
City:	Woburn	
State/Country:	MASSACHUSETTS	
Postal Code:	01801	

# PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	11636891	

## **CORRESPONDENCE DATA**

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NAME OF SUBMITTER: Erik Saarmaa

**Total Attachments: 3** 

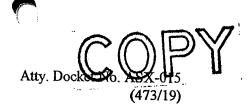
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**REEL: 019031 FRAME: 0242** 

**PATENT** 500241781

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PATENT REEL: 019031 FRAME: 0243



## **ASSIGNMENT**

WHEREAS, We, Donald K. Smith, Xing Chen, William M. Holber and Eric Georgelis have invented one or more improvements in:

## TOROIDAL LOW-FIELD REACTIVE GAS SOURCE

described in an	application (or provisional application)	for Letters Patent of the United States:
about to be file	identified by Attorney Docket No. d in the United States Patent Office;	, and/or executed by us of even date herewith and
organized and e business at 35 (	EAS, Applied Science and Technology, existing under the laws of the Commonw	ed States Patent Office on June 26, 1997; and Cof Delaware (Ac 9/66)  Inc. (hereinafter "ASSIGNEE"), a corporation realth of Massachusetts, and having a usual place of 801 desires to acquire an interest therein, in

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of 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, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention; said inventions, applications 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 of our 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 our entire right, title and interest in and to said inventions, 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 our 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; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions 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 none is indicated on that date of our execution of this assignment;

PATENT REEL: 019031 FRAME: 0244 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. Inventor: Commonwealth of Massachusetts County of Middlebux ) ss Commission Expires May 22 Inventor: Commonwealth of Massachsetts County of Middless ) ss Subscribed and sworn to before me, by the above-named Xing Chen this Notary Public My Commission Expires:

My Commission Expires May 22, 1998

PATENT

REEL: 019031 FRAME: 0245

Inventor: William M. Holber

Commonwealth of Massachusetts )
County of Mickey ) ss

Subscribed and sworn to before me, by the above-named William M. Holber this 25th day of Notary Public My Commission Expires: Also Sam Caloggaro

My Commission Capital May 22, 1999

Inventor: Eric Georgelis

Commonwealth of Massachsetts ) ss

Subscribed and sworn to before me, by the above-named Eric Georgelis this 22nd day of Caugust 1997.

Subscribed and sworn to before me, by the above-named Eric Georgelis this 22nd day of Caugust 1997.

My Commission Expires May 22, 1998

My Commission Expires May 22, 1998

My Commission Expires May 22, 1998

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PATENT REEL: 019031 FRAME: 0246

**RECORDED: 03/19/2007**