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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): 1) Toshihisa TOMIE National Institute of Advanced Industrial Science Name: and Technology 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo Address: 100-8921, Japan Additional name(s) of conveying party(ies) attached?

Yes No 07-21-2006 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name 103279059 □ Other Execution Date: February 9, 2006 Additional name(s) and address(es) attached?

Yes
No 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application B. Patent No.(s) A. Patent Application No.(s) 10/550,413 Additional numbers attached?

Yes 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. 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. Marvin J. Spivak Name of Person Signing Surinder Sachar Registration Number: 24,913 Registration No. 34,423 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office **Mail Stop Assignment Recordation Services** Alexandria, Virginia. 22313

> PATENT REEL: 018110 FRAME: 0427

Assignment of Application

Page 1 of 2

WHEREAS, I (WE	E) Toshihisa TOMIE	
	of c/o National Institute of Advanced Industrial Science and Techn	ology
	Tsukuba Central 2	
	1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568, JA	PAN
		, respectively,
have invented certa	ain new and useful improvements in:	
METHO	D AND APPARATUS FOR GENERATING LASER PRODUCED PLASM	1A
for which an applic	cation for Letters Patent was executed on February 9, 2006	
(Application No.	10/550,413 ,filed September 23, 20	05), and
WHEREAS,	National Institute of Advanced Industrial Science and Technological	gy
(hereinafter referre	ed to as "ASSIGNEE") having a place of business at:	
3-	-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921, JAPAN	
is desirous of acou	uring the entire right, title and interest in and to said invention and in and to	any Letters Patent that

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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 me (us) had this Assignment and sale not been made.

10/01

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date:	February 9, 2006	Toslahisa Tamie
		(Signature of Inventor) Toshihisa TOMIE
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)
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		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
Date.		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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