



09-13-2005

Commissioner of Patents & Trademarks

Washington, D.C. 20231

Form PTO-1595  
(Rev. 03/01)



103080123

DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of Conveying Party(ies):  
**KUNINAKA, Hitoshi**

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and Address of Receiving Party(ies):

Name: **Japan Aerospace Exploration Agency**

Street Address: **44-1, Jindaiji-Higashimachi 7-chome**

Street Address:

City: **Choufu-shi, Tokyo**

State/Country: **Japan** Postal Code:

Additional name(s) and addresses attached?  Yes  No

3. Nature of Conveyance:

Assignment  Change of Name

Security Agreement  Other:

Merger Execution Date: **09012005**

4. Application Number(s) or Patent Number(s):

Assignment is being filed together with new application and the first execution date of application is :

Application has been filed already and the application filing date is: **06012005**

A. Patent Application Number(s): **11141189**

B. Issued Patent Number(s):

09/09/2005 MBEYENE2 00000219 11141189 Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this matter should be mailed:

**CUSTOMER NUMBER 00136 -or-**

**JACOBSON HOLMAN PLLC**  
400 Seventh Street, N.W.  
Washington, D.C. 20004-2218  
Tel. 202-638-6666

Attorney Docket Number: **P70633US0**

6. Total number of applications and patents involved: **1**

7. Total Fee (37 CFR 3.41): **\$ 40.00**

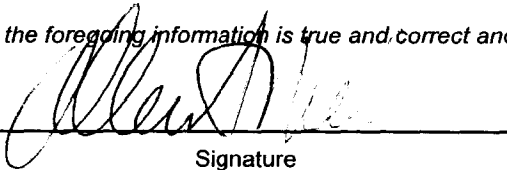
Enclosed

Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

DO NOT USE THIS SPACE

8. 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.*

**Allen S. Melser** **27,215**  **September 7, 2005**

Name of Person Signing, Reg. No. Signature Date

Total number of pages including cover sheet, attachments, and documents: **3**

UNITED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventors (1) Hitoshi KUNINAKA (2) (3) (4) (5) anc

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(6) Insert Name of Assignee (6) Japan Aerospace Exploration Agency

(7) Insert Address of Assignee (7) of 44-1, Jindaiji-Higashimachi 7-chome, Choufu-shi, Tokyo, JAPAN

(8) Insert Legal Entity and State or Country (8) a Independent administrative agency of Japan (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (9) TWO-STAGE HALL EFFECT PLASMA ACCELERATOR INCLUDING PLASMA SOURCE DRIVEN BY HIGH-FREQUENCY DISCHARGE

(10) Insert Date of signing of Application, or filing date and Serial No., if known (10) Said application having been executed/ filed on June 1, 2005 (and assigned Serial No. 11/141,189 )

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements.
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.
6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.
7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C.

2004, the power to insert on this assignment any further identification 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.

Table with 4 columns: Date, Name of Inventor, typed name, signature. Row 1: September 1, 2005, Hitoshi KUNINAKA, Hitoshi KUNINAKA, [Signature]

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witness Katsuya Terasawa Katsuya TERASAWA
Witness Kayo Omo Kayo OMO

LAW OFFICES OF JACOBSON HOLMAN PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004

JH 5/01 (Copying without deletions permitted)