

5-4-98

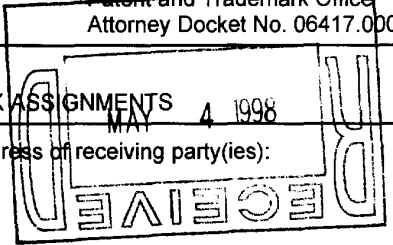
05-12-1998



To the Honorable Commissioner of Patents a
Please record the attached original document

100708356

I. BOX ASSIGNMENTS
MAY 4 1998



1. Name of conveying party(ies):

Yoshiaki INOUE, Seiji YOKOTA, Akira TERAJIMA,
Kazuhiro KAWASAKI, Masaaki TAMATANI,
Keiko ALBESSARD, Naotoshi MATSUDA,
Miwa OKUMURA and Hirofumi TAKEMURA

2. Name and address of receiving party(ies):

Name: (1) NETUREN CO., LTD. and
(2) TOSHIBA CORP.

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

Internal Address:

3. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name

Street Address: (1) No. 16-21, Higashi-gotanda 2-chome,
Shinagawa-ku, Tokyo, 141 Japan
(2) 72, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa-ken, 210
Japan

City:

State: Zip Code:

Other

Additional name(s) & Address(es) attached?
 Yes No

Execution Date: February 10, 1998

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s):
08/997,474

B. Patent Number(s):

Additional numbers attached? Yes No

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

Name: Mr. Ernest F. Chapman

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

6. Total number of applications and registrations involved:
1

7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

8. Deposit account number: 06-0946

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.

Ernest F. Chapman

Signature: Date: May 4, 1998

00002711 08997474 40.00 UP
05/11/1998 TT0111 01 FC:581

A S S I G N M E N T

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

HEAT TREATMENT METHOD AND APPARATUS USING THERMAL PLASMA, AND HEAT TREATED SUBSTANCE PRODUCED THEREBY

for which I/WE executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on December 23, _____, 1997 (Serial No. 08/997,474); and

WHEREAS, ~~NETUREN Co., Ltd. and TOSHIBA Corp., corporations of Japan, whose post office address is~~ a corporation of ~~No. 16-21, Higashi-goitanda 2-chome, Shinagawa-ku, Tokyo, 141 Japan and _____, whose post office address is~~ 72, Horikawa-cho, Seiwai-ku, Kawasaki-shi, Kanagawa-ken 210 Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor	: Assignor's Signature	: Date
Yoshiaki INOUE	: <i>Yoshiaki Inoue</i>	: Feb, '98
Address	: 202-go, Copo-Kaneko, 1833-2, Toda, Atsugi-shi, Kanagawa-ken, 243 Japan	: Citizenship Japan
2. Full Name of Second Assignor	: Assignor's Signature	: Date
Seiji YOKOTA	: <i>Seiji Yokota</i>	: Feb 10, '98
Address	: 1-11-6, Goten, Hiratsuka-shi, Kanagawa-ken, 254 Japan	: Citizenship Japan
3. Full Name of Third Assignor	: Assignor's Signature	: Date
Akira TERAJIMA	: <i>Akira Terajima</i>	: Feb 10, '98
Address	: 203-go, Sanberu-Hirano, 401-2, Shindo, Hiratsuka-shi, Kanagawa-ken, 254 Japan	: Citizenship Japan

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. · WASHINGTON, D.C.

4. Full Name of Fourth Assignor Kazuhiro KAWASAKI	: Assignor's Signature <i>Kazuhiro Kawasaki</i>	: Date Feb. 10, '98
Address 401-go, Casa-Shonandai, 1-12-7, Shonandai, Fujisawa-shi, Kanagawa-ken, 252 Japan		: Citizenship Japan
5. Full Name of Fifth Assignor Masaaki TAMATANI	: Assignor's Signature <i>Masaaki Tamatani</i>	: Date Feb. 10, '98
Address 5108-2, Ohba, Fujisawa-shi Kanagawa-ken, 251 Japan		: Citizenship Japan
6. Full Name of Sixth Assignor Keiko ALBESSARD	: Assignor's Signature <i>Keiko Albessard</i>	: Date Feb. 10, '98
Address 2-19-25 ⁵²⁰ , Teraya, Tsurumi-ku, Yokohama-shi, Kanagawa-ken, 230 Japan		: Citizenship French
7. Full Name of Seventh Assignor Naotoshi MATSUDA	: Assignor's Signature <i>Naotoshi Matsuda</i>	: Date Feb. 10, '98
Address 586-5, Kagawa, Chigasaki-shi, Kanagawa-ken, 253 Japan		: Citizenship Japan
8. Full Name of Eighth Assignor Miwa OKUMURA	: Assignor's Signature <i>Miwa Okumura</i>	: Date Feb. 10, '98
Address 2-38-10-310, Sakuramoto, Kawasaki-ku, Kawasaki-shi, Kanagawa-ken, 210 Japan		: Citizenship Japan
9. Full Name of Ninth Assignor Hirofumi TAKEMURA	: Assignor's Signature <i>Hirofumi Takemura</i>	: Date Feb. 10, '98
Address 310-418, Imase, Kamakura-shi, Kanagawa-ken, 247 Japan		: Citizenship Japan
10. Full Name of Tenth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
11. Full Name of Eleventh Assignor	: Assignor's Signature	: Date
Address		: Citizenship
12. Full Name of Twelfth Assignor	: Assignor's Signature	: Date
Address		: Citizenship