



10-26-2004

10.2004

Substitute Form PTO-150



Attorney Docket No.: 0052/116001

102867874

Commissioner of Patents and Trademarks: Please record the attached copies of an original document.

1. Name of conveying party(ies):

Sang Hun LEE  
Jay Joongsoo KIM

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

Noritsu Koki Co., Ltd.  
579-1, Umehara, Wakayama-shi  
640-8550, Japan

Additional name(s) attached? ☐ Yes ☒ No

Amarante Technologies, Inc.  
5237 Apennines Circle  
San Jose, CA 95138, U.S.A

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other:

Imagineering, Inc.  
5-1-1207 Shinohara-dai, Nada  
Kobe, 657-0016, Japan

Additional names/addresses attached? ☐ Yes ☒ No

Execution Date: September 30, 2004

4. Application number(s) or patent number(s): 10/902,435

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s): 10/902,435

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Randolph A. Smith  
SMITH PATENT OFFICE  
1901 Pennsylvania Ave., N.W.  
Suite 200  
Washington, D.C. 20006-3433

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41): \$40

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

- a) Credit Card Last 4 Numbers: 1006  
Expiration Date: July 2007  
b) Please apply any additional charges, or any credits, to our Deposit Account No. 19-2586.

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is a true copy of the original document.*

Randolph A. Smith  
Name of Person Signing

Signature

October 20, 2004  
Date

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

PATENT  
REEL: 015907 FRAME: 0817

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

- (1) Noritsu Koki Co., Ltd.
- (2) Amarante Technologies, Inc.
- (3) Imagineering, Inc.

having respective addresses:

- (1) 579-1 Umehara, Wakayama-shi, 640-8550, Japan
- (2) 5237 Apennines Circle, San Jose, CA 95138, U.S.A
- (3) 5-1-1207 Shinohara-dai, Nada, Kobe, 657-0016, Japan

(hereinafter collectively designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefore, including said application, and all United States Letters Patents which may be granted therefore, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their 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 and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

### PLASMA NOZZLE ARRAY FOR PROVIDING UNIFORM SCALABLE MICROWAVE PLASMA GENERATION

Attorney Docket No. 0052/116001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 10/902,435

Filing Date: July 30, 2004

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act that may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

3. The undersigned agree(s) to perform all affirmative acts that may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.


5. The undersigned hereby grant(s) to Randolph A. Smith and Smith Patent Office 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s)

9/30/04  
Date

  
Typed Name: Sang Hun LEE

9/30/04  
Date

  
Typed Name: Jay Joongsoo KIM

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name: