

08-21-2000



R SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

101439108

and the attached original documents or copy thereof.

1. Name of conveying party(ies):

Luigi BELLA, Stefano BADESSI and Bernhard GRAFMUELLER

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

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

Name: Agence Spatiale Européenne

Internal Address: _____

3. Nature of conveyance:

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

Luigi Bella - 6/5/00

Stefano Badessi - 6/30/00

Execution Date: Bernhard Grafmueller - 5/20/00

Street Address: 8-10 rue Mario-Nikis

City: 75738 Paris Cedex 15

Country: France

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

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

A. Patent Application No(s).

09/543,286

B. Patent No(s).

08/16/2000 AWONDAF1 00000028 09543286

04 FC:581

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Barry R. Lipsitz

Internal Address: _____

Street Address: 755 Main Street

City: Monroe State: CT ZIP: 06468

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

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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.

Barry R. Lipsitz

Name of Person Signing

Signature

August 11, 2000

Date

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

3

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we the undersigned,

Luigi BELLA, Stefano BADESSI and Bernhard GRAFMUELLER

who, has/have created a certain invention for which an application for United States Letters Patent has been:

[] **executed concurrently herewith**
[x] **filed on April 5, 2000 and assigned application number 09/543,286, and is entitled:**

METHOD AND SYSTEM FOR DIGITAL BEAM FORMING (PROCEDE ET SYSTEME POUR LA FORMATION NUMERIQUE DE FAISCEAUX)

Do hereby sell, assign and transfer to: **Agence Spatiale Européenne**

referred to herein as "Assignee", whose address is: **8-10 rue Mario-Nikis
75738 Paris Cedex 15, France**

its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and 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, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto (including prior filed provisional applications) which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Assignee may apply for and receive in its own name Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns and legal representatives; and

Application No.: 09/543,286

Title of Invention: **METHOD AND SYSTEM FOR DIGITAL BEAM FORMING
(PROCEDE ET SYSTEME POUR LA FORMATION NUMERIQUE DE FAISCEAUX)**

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our signature(s) on the date(s) indicated below.

(Witness) Signature  (L.S.)
Luigi BELLA

Name of Witness Printed June 5th, 2000
Date

(Witness) Signature  (L.S.)
Stefano BADESSI

Name of Witness Printed June 30th, 2000
Date

(Witness) Signature  (L.S.)
Bernhard GRAFMUELLER

Name of Witness Printed May 20, 2000
Date