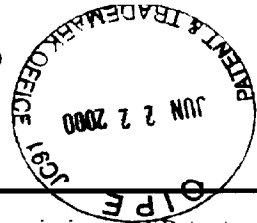


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Atty Docket No.:

FORM PTO-1595
1-31-92



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

IMPHY S.A.

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

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: April 18, 2000

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

Name: IMPHY UGINE PRECISION

Address: Immeuble La Pacific
11-13 Cours Valmy
La Défense 7, 92800 Puteaux,, France

Additional name(s) and 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 execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

5,642,771

Additional numbers attached? Yes No

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



22850

6. Total applications and patents involved: 1

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

- Enclosed
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PATENT
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ASSIGNMENT

WHEREAS, IMPHY S.A. of Immeuble La Pacific, 11-13 Cours Valmy, La Défense 7, 92800 Puteaux, France , a corporation organized and existing under the laws of the Country of France is the exclusive owner, by assignment, of the Letters Patent of the United States of America No. 5,642,771 issued on July 1, 1997; and

WHEREAS, IMPHY UGINE PRECISION of Immeuble La Pacific, 11-13 Cours Valmy, La Défense 7, 92800 Puteaux, France, a corporation organized and existing under the laws of the Country of France (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, IMPHY S.A. by these presents do sell, assign, and transfer unto ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the invention described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said invention and Letters Patent to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of

infringement past and present, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, IMPHY S.A. has caused these presents to be signed by its officer thereunto duly authorized.

IMPHY S.A.

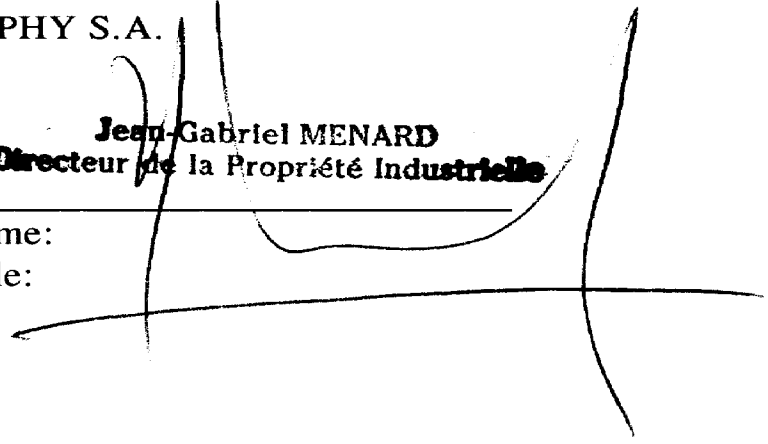
Jean-Gabriel MENARD
Directeur de la Propriété Industrielle

Date: April 18th, 2000

By: _____

Name:

Title:

A large, stylized handwritten signature in black ink, written over the printed name and title of Jean-Gabriel Menard. The signature is somewhat abstract and loops around the text.