

Rev 10/04

U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

SNBCMA PROPULSION SOLIDE

**conveying an undivided half interest to
AVIO S.p.A.**Additional name(s) of conveying party(ies)
attached? Yes No

2. Name and address of receiving party(ies)

Name: AVIO S.p.A.

Street Address: Strada del Drosso, 145

City: 10135 Torino

Country: ITALY

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

3. Nature of conveyance:

 Assignment Merger Security Agreement Change of
Name OtherExecution Date: 11/17/2005

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)
10/648,983 (filed August 27, 2003)

B. Patent No.(s)

Additional numbers attached? Yes No5. Name and address of party to whom
correspondence concerning document should
be mailed:Weingarten, Schurgin,
Gagnebin & Lebovici LLP
Ten Post Office Square
Boston, Massachusetts 02109

6. Total number of applications and patents

Involved 17. Total fee (37 CFR 3.41)....\$ 40.00 Authorized to be charged to
Deposit Account No. 23-0804

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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.Attorney Name: Charles L. Gagnebin III
Registration No. 25,467Signature: Date: 11-28-05Total number of pages including cover sheet, attachments, and document: 4

Attorney Docket No. BDL-433XX

CLG/mc/329384-1 Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

700227229

PATENT
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CH \$40.00 230804 10648983

BDL-433XX

PATENT

A S S I G N M E N T

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged,

SNECMA PROPULSION SOLIDE, a French Limited Company, having a principal place of business at Le Haillan les Cinq Chemins, 33187 LE HAILLAN, France,

hereby sells and assigns to AVIO S.p.A., an Italian Limited Company, having a principal place of business at Strada del Drosso, 145, 10135 Torino, Italy, its successors and assigns, an undivided half interest with the intent to create joint ownership in the entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries in and to the invention entitled

**SYSTEM AND METHOD OF CONTROLLING PRESSURE OSCILLATIONS OF
HYDRODYNAMIC ORIGIN FOR A SOLID PROPELLANT THRUSTER**

and the application for United States Letters Patent therefor filed on August 27, 2003, Application No. 10/648,983, (Attorney Docket No. BDL-433XX), and such patents as may issue thereon, and all divisions, reissues and continuations thereof and continuations-in-part.

And SNECMA PROPULSION SOLIDE hereby covenants that it has full right to make such assignment, and agrees for itself, its successor and assigns, that it will, at the expense of said AVIO S.p.A., execute all applications for patents in foreign countries, execute all divisional, continuing, reissue and re-examination applications, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said AVIO S.p.A., its successors and assigns, to obtain and enforce proper patent protection as for said invention in the United States, its territories and all foreign countries.

And it hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent on said invention or resulting therefrom to SNECMA

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PROPULSION SOLIDE and AVIO S.p.A., as joint owners, their successors and assigns.

Executed at Le Haillan, this 17 day of November, 2005.

SNECMA PROPULSION SOLIDE

By: [Signature]
(signing officer)

Printed name: Philip B. Gassin

Title: Vice President & CFO

I, Michel LAROCHE (name of certifying officer of SNECMA PROPULSION SOLIDE, different from signing officer) certify that I am the Chairman and CEO (title of certifying officer) of SNECMA PROPULSION SOLIDE named herein; that Philip B. GASSIN (name of signing officer above) who signed this Assignment on behalf of SNECMA PROPULSION SOLIDE was then Vice President and CFO (title of signing officer) of said SNECMA PROPULSION SOLIDE; that said Assignment was duly signed for and in behalf of SNECMA PROPULSION SOLIDE by authority of its governing body, and is within the scope of its corporate powers.

By: [Signature]
(certifying officer)

Printed name: Michel LAROCHE

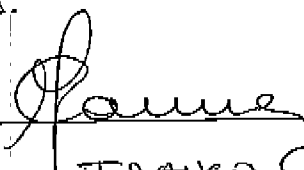
Title: Chairman and CEO

Date: 17 Nov 2005

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ACCEPTED BY:

AVIO S.p.A.

By: 
FRANCO CANNA

(Print name)

Title: SENIOR VICE PRESIDENT

Date: 2/11/05

CLG/mc/328119-1