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FORM PTO-1585

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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

FINANCE SECTION

1. Name of conveying party(ies):
Compagnie Generale des Matieres Nucleaires
Additional name(s) of conveying parties attached? Yes
 No

2. Name and address of receiving party(ies)
Name: Framatome
Internal Address: _____
Street Address: 1, place de la Coupole
City: 92400 Courbevoie
State: France
ZIP: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution dates: July 3, 2001

4. Application numbers or patent numbers:
A. Patent Application: _____
B. Patent No.(s)
5,852,644
Additional Numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Richard L. Mayer
Internal Address: KENYON & KENYON
Street Address: One Broadway
City: New York State: New York ZIP: 10004

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
11-0600

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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.*

John M. Vereb (Reg. No. 48,912)
Name of Person Signing

Signature

7/8/03
Date

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

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US assignment

WHEREAS

Compagnie Générale des Matières Nucléaires, a corporate body organized under the laws of France, of
2, rue Paul Dautier
78140 VELIZY-VILLACOUBLAY

Hereinafter referred to as "Assignor" or "COGEMA"

Is joint owner of the U.S. patents and patent applications and International applications listed in the attached schedule and collectively designated as "the Patents".

AND

FRAMATOME, a body corporate organized under the law of France, of
Tour FRAMATOME
1, place de la Coupole
92400 COURBEVOIE

hereinafter referred to as "Assignee"

is joint owner of said Patents and is desirous of acquiring the interest of Assignor in, to and under the inventions covered by said Patents and said Patents,

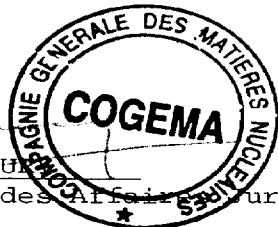
NOW, THEREFORE, TO ALL IT MAY CONCERN

Be it known that, in consideration of the payment by Assignee to Assignor of the sum of one U.S. Dollar (\$ 1.00), the receipt of which is hereby acknowledge, and other good and valuable consideration, Assignor thereby sells, assigns and transfers to Assignee its full rights, title and interest to said inventions and Patents ;

Assignor agrees to recordal of the present transfer of the Patents at the U.S. PTO and requests that only Assignee (and any other joint owner, if an) be indicated as assignee in any future patent to be granted based on the transferred applications listed in the attached schedule.

In witness thereof we have hereunto set our hand this 3th of day of July 2001.

For Assignor



By : Bernard MAUREL
Directeur des Affaires Juridiques

witness : Laurence PERCIER

[Signature]
Intellectual Property Manager
FRAMATOME ANP

name and position :

name and address

**ASSIGNMENT OF COGEMA SHARE IN U.S. PATENTS
AND PATENT APPLICATIONS TO FRAMATOME**

SCHEDULE

Inventors	Patent No.	Filed
Gebelin et al	4 741 878	07/29/86
Guironnet et al	4 773 799	06/03/87
Denizou et al	4 765 949	04/01/87
Hertz et al	4 873 117	09/18/87
Verdier	5 180 548	07/24/91
Verdier	5 606 583	12/29/94
Amiet et al	5 619 547	02/20/95
Hertz et al	5 742 655	12/12/95
Mardon et al	5 648 995	12/27/95
Mardon et al	5 887 045	01/26/96
Mardon et al	5 702 544	01/30/96
Mardon et al	5 940 464	07/22/96
Mardon et al	5 735 978	10/11/96
Bour et al	5 835 547	12/24/96
Bour et al	6 051 972	12/24/96
Bonnamour et al	5 889 832	12/26/96
Descot et al	5 852 642	06/26/97
Brosset et al	5 852 644	06/27/97
Mardon et al	5 802 130	06/27/97
Inventors	Appln Ser No.	Filed
Hertz et al	09/011 684	06/14/97
Brosset	09/269 309	09/29/97
Descot et al	09/269 303	09/29/97
Mayet et al	09/242 694	07/09/98
Petit et al	09/113 298	07/10/98
Thibieroz et al	09/903 292	12/27/99
Mardon et al	09/647 339	03/30/99