



FORM PTO 1595
1-31-92

102472377

SHEET

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):

Pazhayannur Ramanathan Subramanian
Bernard Patrick Bewlay
Earl Claude Helder
Timothy Joseph Trapp

5-30-03

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

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

Name: General Electric Company

Internal Address: _____

Street Address: One Research Circle

City: Niskayuna State: NY ZIP: 12309

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: May 11, 2003 May 16, 2003
May 22, 2003 May 22, 2003

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:

May 11, 2003 May 16, 2003 May 22, 2003 May 22, 2003

A. Patent Application No.(s)

10452420

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: General Electric Company
Internal Address: GRC Patent Docket Rm. 4A59
Bldg. K-1 -Ross
P.O. Box 8
Street Address: One Research Circle
City: Schenectady State: NY ZIP: 12301

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:

07-0868

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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.

Paul J. DiConza
Name of Person Signing

Paul J. DiConza
Signature

30 May 2003

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

OMB No. 0651-0011 (exp 4/94)

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Mail documents to be recorded with required cover sheet information to:

06/12/2003 EODPER 00000211 070068 10452420
01 FC:0021 40.00 CH

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

17507 U.S. PTO
10/452420
05/30/03

ASSIGNMENT

Docket Number
RD-29,519-1

In consideration of One Dollar and Other good and valuable consideration, of which I acknowledge receipt, I (we)

Pazhayannur Ramanathan Subramanian	of Niskayuna, New York
Bernard Patrick Bewlay	of Schenectady, New York
Earl Claude Helder	of Cincinnati, Ohio
Timothy Joseph Trapp	of Upper Arlington, Ohio
	of
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	of

sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in:

APPARATUS AND METHOD FOR FRICTION STIR WELDING OF HIGH STRENGTH MATERIALS, AND
ARTICLES MADE THEREFROM

invented by me (us), as described in the application for United States patent

executed concurrently herewith, or
 U.S. Serial No.: _____, filed _____

and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to said General Electric Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

5/19/03
Date

Pazhayannur Ramanathan Subramanian
Pazhayannur Ramanathan Subramanian

State of New York) SS:
County of Schenectady)

This 19th day of May, 2003, before me personally came the

above-named Pazhayannur Ramanathan Subramanian to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal
RITA M. LYNCH
Notary Public, State of New York
Qual. in Rensselaer Co. No. 01LY6079764
Com. Expires 8/24/06

Rita M. Lynch
(Notary Public)

001

ASSIGNMENT

Docket Number
RD-29,519-1

5-16-2003

Date

Bernard Patrick Bewlay
Bernard Patrick Bewlay

State of New York) SS:

County of Schenectady)

This 16th day of May, 2003, before me personally came the above-named Bernard Patrick Bewlay to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal
RITA M. LYNCH
Notary Public, State of New York
Qual. in Rensselaer Co. No. 01LY6079764
Commission Expires 8/29/06

Rita M. Lynch
(Notary Public)

5-22-2003

Date

Earl Claude Helder
Earl Claude Helder

State of New York Ohio) SS:

County of Schenectady Hamilton)

This 22nd day of May, 2003, before me personally came the above-named Earl Claude Helder to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal
KIM FRANKS
Notary Public, State of Ohio
No. 264102
Qualified in Butler County
Commission Expires September 29, 2003

Kim Franks
(Notary Public)

5-22-2003

Date

Timothy Joseph Trapp
Timothy Joseph Trapp

State of Ohio) SS:

County of Hamilton)

This 22nd day of May, 2003, before me personally came the above-named Timothy Joseph Trapp to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal
KIM FRANKS
Notary Public, State of Ohio
No. 264102
Qualified in Butler County
Commission Expires September 29, 2003

Kim Franks
(Notary Public)