

FORM PTO-1395 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

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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) and execution dates:  
Jayoung Koo (04/09/03)  
Shiun Ling (04/09/03)  
Michael J. Luton 04/09/03)  
Hans Thomann (04/09/03)  
Narasimha-Rao V. Bangaru ( 04/09/03)  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: ExxonMobil Research and Engineering Company  
Internal Address: Law Department  
Street Address: 1545 Route 22 East, P. O. Box 900  
City: Annandale State: New Jersey ZIP: 08801

3. Nature of conveyance:  
 Assignment  Merger  
 Security Assignment  Change of Name  
 Other \_\_\_\_\_

Sent via Facsimile on: 6/14/05

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908-730-3649

Family No.: P2001J076 US2

Execution Date: April 9, 2003

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 execution date of the application is:

Patent Application No.(s)  
10/314,620 filed December 9, 2002

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: ExxonMobil Research & Engineering Company

Internal Address: Law Department

Street Address: 1545 Route 22 East

P.O. Box 900

City: Annandale State: NJ ZIP: 08801-0900

6. Total number of applications and patents involved:

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

05-1330

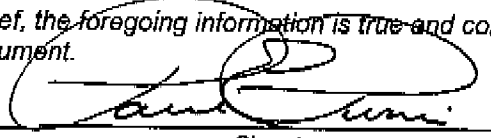
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9. Statement and signature.

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 E. Purwin  
Name of Person Signing



Signature

14 June 2005  
Date

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Mail documents to be recorded with required coversheet information to:  
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PATENT

CH \$40.00 05-1330 10314620

10/314,620

ASSIGNMENT  
INVENTOR or INVENTORS:

Jayoung Koo      Shiun Ling      Michael J. Luton      Hans Thomann      Narasimha-Rao V. Bangaru

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

GRAIN REFINEMENT OF ALLOYS USING MAGNETIC FIELD PROCESSING

said application having been executed on the 9th day(s) of APRIL 2003, and being further identified as Case Number CJB-0202; and all rights of priority created by said application under provisions of international conventions or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date <u>April 9, 2003</u>	Inventor <u>Jayoung Koo</u> (LS) JAYOUNG KOO	Witness <u>Ann B. Rinaldi</u>
Date <u>Apr. 9, 2003</u>	Inventor <u>Shiun Ling</u> (LS) SHIUN LING	Witness <u>Ann B. Rinaldi</u>
Date <u>April 9, 2003</u>	Inventor <u>Michael J. Luton</u> (LS) MICHAEL J. LUTON	Witness <u>Ann B. Rinaldi</u>
Date <u>April 9, 2003</u>	Inventor <u>Hans Thomann</u> (LS) HANS THOMANN	Witness <u>Ann B. Rinaldi</u>
Date <u>April 9, 2003</u>	Inventor <u>Narasimha-Rao V. Bangaru</u> (LS) NARASIMHA-RAO V. BANGARU	Witness <u>Ann B. Rinaldi</u>



PATENT TRADEMARK OFFICE

Family Number: P2001J076-US2