

FORM PTO-1619A

Expires 08/30/99
OMB 0651-0027U.S. Department of Commerce
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S-90215

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- ☐ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☒ Other ☐ Confirmatory License
- U.S. Government
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- ☒ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) ALUMINUM COMPANY OF AMERICA

Execution Date
Month Day Year
2/26/1998

Name (line 2) _____

Second Party

Name (line 1) _____

Execution Date
Month Day Year

Name (line 2) _____

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) U. S. Department of Energy

Name (line 2) _____

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2) _____

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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PATENT

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REEL: 014965 FRAME: 0622

FORM PTO-1619B

Expires 06/30/99
OMB 0651-0027

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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number

202-586-2802

Name Brenda K. Banks

Address (line 1) U. S. Department of Energy

Address (line 2) 1000 Independence Avenue, S.W.

Address (line 3) Washington, D. C. 20585-0162

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document
including any attachments.

1

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

08/644,440

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application
was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

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PCT

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

0.00

Method of Payment:

Enclosed ☐Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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Authorization to charge additional fees:

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indicated herein.

Brenda K. Banks

Name of Person Signing

Brenda K. Banks

Signature

8/5/04

Date

PATENT

REEL: 014965 FRAME: 0623

08/644,440

CONFIRMATORY LICENSE

(Advanced Waiver)

Title : *COMPOSITION AND PROCESS FOR MAKING AN INSULATING
REFRACTORY MATERIAL*

Inventor(s) : *Alan Pearson & Thomas G. Swansiger*

Serial No. : *644,440* Filing Date: *May 13, 1996*

Subcontractor : *ALUMINUM COMPANY OF AMERICA*

DOE Contract No.: *DE-FC07-89ID12903*

DOE Case No. : *S-90,215*

DOE Advanced Waiver No.: *W(A)-90-049*

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

An advanced waiver of Government rights having been granted by the U.S. Department of Energy (DOE) to *Aluminum Company of America* and the above-identified invention having been reported as a Subject Invention to DOE by the contractor with its election to file a domestic patent application thereon, the effective date of said waiver for the above invention is January 27, 1998.

Accordingly, this document is confirmatory of the paid-up license required to be granted to the Government under 41 CFR 9-9.109.6 and the above-identified contract in this invention, patent application and any resulting patent as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, and of all rights acquired by the Government by the referenced patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

(SEAL)

Signed this 26th day of February 19 98

ALUMINUM COMPANY OF AMERICA

(Contractor)

By David R. Williams

(Contractor's Official and Title)

David R. Williams, Contracting OfficerAlcoa Technical Center

(Business Address)

100 Technical Drive
Alcoa Center, PA 15069**PATENT****RECORDED: 08/05/2004****REEL: 014965 FRAME: 0624**