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1. Name of conveying party(ies):

Michael P. Moriarty

3-31-03

2. Name and address of receiving party(ies)

Name: THE BOEING COMPANY

Internal Address: _____

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: March 25, 2003

Street Address: 15460 LAGUNA CANYON ROAD

MC 1650-7003

City: IRVINE State: CA Zip: 92618

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

4. Application number(s) or patent number(s):

10405000

If this document is being filed together with a new application, the execution date of the application is: March 25, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Timothy J. Lorenz

Ingrassia Fisher & Lorenz, P.C.

Internal Address: _____

Street Address: 7150 E. Camelback Rd. Ste. 325

City: Scottsdale State: AZ Zip: 85251

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

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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.

Timothy J. Lorenz (Reg. No. 41,954)

Name of Person Signing

Signature

03/31/03
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 013939 FRAME: 0371

United States Patent Application
Attorney Docket No.: 024.0006
First Named Inventor: Michael P. Moriarty

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

**METHODS AND APPARATUSES FOR REMOVING THERMAL ENERGY
FROM A NUCLEAR REACTOR**

for which application for Letters Patent of the United States:

☒ has been executed on even date herewith;

☐ executed on _____;

☐ was filed on _____ and assigned U.S. Application Serial No. _____;

AND WHEREAS, The Boeing Company, a ☒ corporation; ☐ partnership; individual ☐ having a place of business at Irvine, CA (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

EXECUTED as of the date(s) written below by ASSIGNOR:

Michael P. Moriarty
Inventor's Signature

Date: 25 March 2003

MICHAEL P. MORIARTY
Inventor's Printed Name