

12-03-2003



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PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David N. Nappier
David L. Fritsche
Scott A. Martin
Kenneth D. Harper

11-20-03

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

2. Name and address of receiving party(ies)

Name: The Boeing Company

Internal Address: _____

Street Address: 100 North Riverside

City: Chicago State: IL Zip: 60606

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

22386 U.S. PTO
10/717940



112003

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 11/20/03

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

ATTORNEY DOCKET NO.: BING-1-1045

If this document is being filed together with a new application, the execution date of the application is: 11/20/03

A. Patent Application No.(s)

B. Patent No.(s)

10 717940

Additional numbers attached? Yes No

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

Name: Dale C. Barr

Internal Address: Black Lowe & Graham, PLLC

Street Address: 701 Fifth Avenue, Suite 4800

City: Seattle State: WA Zip: 98104

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by 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.

Dale C. Barr, Reg. No. 40,498

Name of Person Signing

Dale C. Barr
Signature

11/20/03

Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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11/20/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nappier et al. Attorney Docket No. BING-1-1045
Serial No.: not yet assigned Group Art Unit: not yet assigned
Filing Date: November 20, 2003 Examiner: not yet assigned
Title: APPARATUS AND METHODS FOR THRUST SENSING VALVES

ASSIGNMENT

WHEREAS, I, David N. Nappier, residing at 37 Hayfield Lane, Caseyville, IL 62232, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, David L. Fritsche, residing at 80 Timberland Ct., Foristell, MO 63348, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Scott A. Martin, residing at 108 Brian Dr., Swansea, IL 62226, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Kenneth D. Harper, residing at 727 Summersong Dr., O'Fallon, MO 63366, am one of the inventors named in the above-identified United States patent application;

AND, WHEREAS, The Boeing Company, a Delaware corporation having a principal address at 100 North Riverside, Chicago, IL 60606-1596 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to the patent application and related inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, I hereby assign and transfer to ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, including all improvements, variations, derivations and inventive subject matter directly or indirectly related to the patent application and inventions, and all provisional or nonprovisional patent applications or issued patents that have been or may be granted thereon, including without limitation all reissues, divisions, continuations, continuations-in-part, and

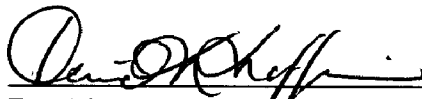


extensions of the patent applications or patents, or any other form of protection for the inventions related to the patent application, in the United States and foreign countries; all rights of action arising from the inventions and all applications and patents on the inventions; all claims for damages by reason of past and future infringement of the inventions and all applications and patents on the inventions, and the right to sue and collect damages for such infringement; to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its successors and assigns as the same would have been held by me had this assignment not been made.

I do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on the inventions, to maintain and enforce any and all patents on the inventions, and to confirm in ASSIGNEE legal title to the inventions and all applications and patents on the inventions in the United States and foreign countries, all without charge to ASSIGNEE but at no expense to me. In the event that ASSIGNEE is unable for any reason, after reasonable effort, to secure my signature on any document needed in connection with the actions specified in this paragraph, or to otherwise perfect in ASSIGNEE the entire right, title, and interest in and to the patent application and related inventions, I hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents as my agent and attorney-in-fact, to act for and in my behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this assignment with the same legal force and effect as if executed by me. I hereby waive and quitclaim to the ASSIGNEE any and all claims, of any nature whatsoever, which I now or may hereafter have for infringement of any proprietary rights assigned to the ASSIGNEE.



EXECUTED at St. Louis (city), Mo (state), this 12 day of November, 2003.



David N. Nappier

EXECUTED at St. Louis (city), MO. (state), this 12 day of November, 2003.



David L. Fritsche

EXECUTED at _____ (city), _____ (state), this _____ day of _____, 2003.

Scott A. Martin

EXECUTED at _____ (city), _____ (state), this _____ day of _____, 2003.

Kenneth D. Harper



EXECUTED at _____ (city), _____ (state), this _____ day of _____, 2003.

David N. Nappier

EXECUTED at _____ (city), _____ (state), this _____ day of _____, 2003.

David L. Fritsche

EXECUTED at St. Louis (city), Mo (state), this 20th day of Nov, 2003.

Scott A. Martin

Scott A. Martin

EXECUTED at St. Louis (city), MO. (state), this 20th day of NOVEMBER, 2003.

Kenneth D. Harper

Kenneth D. Harper

BLACK LOWE & GRAHAM ^{PLLC}

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