07 - 15 - 2003

Form **PTO-1595** R (Rev. 03/01)



U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) 102496847 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof, 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: The Boeing Company Theodore M. Bovl-Davis James N. Buttrick, Jr. Internal Address: ______ Darrell D. Jones Additional name(s) of conveying party(les) attached? The Yes X No. 3. Nature of conveyance: ☐ Merger Assignment Street Address: 7755 East Marginal Way South Security Agreement Change of Name Seattle State: WA Zip: 98108 City: Execution Date:_____ Additional name(s) & address(es) attached?
Yes
No 4. Application number(s) or patent number(s): ATTORNEY DOCKET NO.: BING-1-1003 If this document is being filed together with a new application, the execution date of the application is:__ A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? 📮 Yes 📮 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Dale C. Barr 7. Total fee (37 CFR 3.41).....\$____ Internal Address:___Black Lowe & Graham, PLLC Enclosed Authorized to be charged to deposit account 8. Deposit account number: Street Address: 816 Second Avenue 98104-1502 WA (Attach duplicate copy of this page if paying by deposit account) State:____ _Zip:_ City:_ DO NOT USE THIS SPACE 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. June 25, 2003 Dale C. Barr, Reg. NO. 40,498 Name of Person Signing

> Total number of pages including cover sheet, attachments, and documents: Mail documents to be recorded with required cover sheet information to:

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PATENT

REEL: 014254 FRAME: 0536

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Boyl-Davis et al. Attorney Docket No. BING-1-1003

Serial No.: not yet assigned Group Art Unit: not yet assigned

Filing Date: June 25, 2003 Examiner: not yet assigned

Title: METHODS AND APPARATUS FOR MANUFACTURING OPERATIONS

USING OPPOSING-FORCE SUPPORT SYSTEMS

ASSIGNMENT

WHEREAS, I, Theodore M. Boyl-Davis, residing at 11516 42nd Pl. SE, Snohomish, WA 98201, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, James N. Buttrick, Jr., residing at 8015 Ridge Dr. NE, Seattle, 98115, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Darrell D. Jones, residing at 16723 1st Ave. SE, Mill Creek, WA 98012, 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 7755 East Marginal Way South, Seattle, WA 98108 (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

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Seattle, Was**PA研ENI**4 -206-381.3300 : F-206-381.3301 REEL: **014254 FRAME: 0537** 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 Frerett (city), Washington (state), this 12 day of JUNE, 2003.

Theodore M. Boyl Davis

BLACK LOWE & GRAHAM PLLC 816 Second Avenue

EXECUTED at	Everett , 2003.	(city),	Iames N. Buttrick	_ (state), this _12 day of
EXECUTED at	Evaett , 2003.	(city),	Darrell D. Jones	_(state), this 12th day of

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RECORDED: 06/25/2003

BLACK LOWE & GRAHAM PLLC

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