

3/23/05

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U.S. DEPARTMENT OF COMMERCE  
U.S. 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):

Mostafa Rassaian  
Thomas T. Arakawa  
Jeffrey S. Knowlton

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: March 11, 2005

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

ATTORNEY DOCKET NO.: BING-1-1113

If this document is being filed together with a new application, the execution date of the application is: 3/11/05

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: 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:

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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

Name of Person Signing

*Dale C. Barr*  
Signature

March 23, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
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PATENT  
REEL: 016422 FRAME: 0817

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Rassaian, et al. Attorney Docket No. BING-1-1113  
Serial No.: Not Assigned Yet Group Art Unit: Not Assigned Yet  
Filing Date: Concurrently Herewith Examiner: Not Assigned Yet  
Title: METHODS AND SYSTEMS FOR REDUCING FINITE ELEMENT  
SIMULATION TIME FOR ACOUSTIC RESPONSE ANALYSIS

**ASSIGNMENT**

WHEREAS, I, Mostafa Rassaian, residing at 17345 NE 17<sup>th</sup> Place, Bellevue, Washington 98008, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Thomas T. Arakawa, residing at 1502 Camas Avenue NE, Renton, Washington 98056, am one of the inventors named in the above-identified United States patent application;

WHEREAS, I, Jeffrey S. Knowlton, residing at 20109 137<sup>th</sup> Avenue SE, Kent, Washington 98042, am one of the inventors named in the above-identified United States patent application;

AND, WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, U.S., having a place of business at 100 North Riverside, Chicago, IL 60606-1596, with a mailing address of M/C 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, U.S. (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

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- 1 -

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BLACK LOWE & GRAHAM <sup>PLLC</sup>

  
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**PATENT**  
**REEL: 016422 FRAME: 0818**

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.

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**PATENT**

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EXECUTED at Tukwila (city), Washington (WA), this 11<sup>th</sup> day of March, 2005.

  
\_\_\_\_\_  
Mostafa Rassaian

EXECUTED at TUKWILA (city), WASHINGTON (WA), this 11<sup>th</sup> day of MARCH, 2005.

  
\_\_\_\_\_  
Thomas T. Arakawa

EXECUTED at TUKWILA (city), WASHINGTON (WA), this 11<sup>th</sup> day of March, 2005.

  
\_\_\_\_\_  
Jeffrey S. Knowlton

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**RECORDED: 03/23/2005**

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