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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY Docket No. 091-0124 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1 Name of conveying party(ies): Name and address of receiving party(ies): (2a.) HARRES, DANIEL N THE BOEING COMPANY Name: Address: Office of the General Counsel P.O. Box 3707, MC 13-08 City: Seattle State: WA Zip Code: 89124-2207 Additional name(s) of conveying party(ies) attached? ☐yes ☐no (2b.) 3 Name of Conveyance: Name Assignment Address: Security Agreement Change of Name Execution Date: January 21, 2002 Additional name(s) & address(es) attached? ☐yes ☒ no 10/06151 4. Application number(s) or patent number(s): 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 concerning 6. Total number of applications and patents involved: one document should be mailed: Name: Michael A. Shimokaji DIPINTO & SHIMOKAJI, P.C. Address: 7 Total fee (37 CFR 3.41):.....\$ 40.00 1301 Dove Street Suite 480 City: Newport Beach State: CA Zip Code: 92660 Authorized to be charged to deposit account 27431 8 Deposit account number: 50-0851 (Insert Customer Number) (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the for egoing information is true and correct and any attached copy is a true copy of the original document. Michael A. Shimokaii. Name of Person Signing Signature Total number of pages comprising cover sheet, attachments and document: Mail documents to be recorded with required cover **BOX PATENT APPLICATION** LMUELLER 00000181 10061517 Assistant Commissioner for Patents Washington, D.C. 20231

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PATENT REEL: 012557 FRAME: 0423

Docket No.: 091-0124

ASSIGNMENT

WHEREAS, Daniel N. Harres, residing at Belleville, Illinois (hereinafter "Assignor") has invented certain new and useful improvements in BUILT-IN TEST SIGNAL ATTENUATION CIRCUIT (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on date(s) listed below.

AND WHEREAS. The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at Seattle, King County, Washington, with a mailing address of Post Office Box 3707, M/S 13-08, Seattle, Washington 98124-2207, US, (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty including any international convention, for the protection of industrial property, together with the right to extend the protection of said United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, US and its foreign counterparts to issue said LETTERS PATENT when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of January, 2002.

7. Harres

PATENT RECORDED: 01/31/2002 REEL: 012557 FRAME: 0424