

10-27-2004



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Form PTO-1595 (Rev. 10/021) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings TBCI 8595 (04-0621)

RE

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): Wayne C. Workman Additional name(s) of conveying party(ies) attached? No

10-18-04

2. Name and address of receiving party(ies) Name: The Boeing Company Internal Address: M/C 1640-2101 Street Address: 15460 Laguna Canyon Road City: Irvine State: California Zip: 92618

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: October 14, 2004

4. Application number(s) or patent number(s): 8-14-04 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 number(s) attached No 10968645

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Frank R. Agovino Internal Address: SENNIGER POWERS Street Address: One Metropolitan Square, 16th Floor City: St. Louis State: Missouri Zip: 63102

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 8. Deposit account number: 19-1345 (Attach duplicate copy of this page if paying by deposit account)

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9. Signature. Frank R. Agovino Name of Person Signing Signature Date 10/18/04

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

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

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PATENT REEL: 015916 FRAME: 0143

ASSIGNMENT

WHEREAS, I, Wayne C. Workman of St. Charles, Missouri have invented an improvement in SYSTEM AND METHOD FOR RESOLVING PHASE AMBIGUITY OF A TRANSDUCER ARRAY TO DETERMINE DIRECTION OF ARRIVAL OF RECEIVED SIGNALS (file TBCI 8595; Boeing Disclosure No. 04-0621) and have executed an application for a United States patent based thereon simultaneously herewith;

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 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of M/C 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, US (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or

may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND I hereby agree for myself and for my heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND I hereby covenant for myself and my legal representatives, and agree with said ASSIGNEE, its successors and assigns, that I have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed my right, title, and interest in said invention had not been otherwise encumbered, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunto set my hand.

Stayne C. Storkman October 14, 2004
Wayne C. Workman Date

FRAcwa