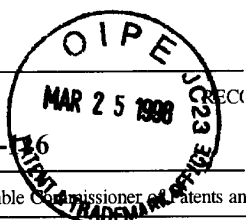


FORM PTO-1596
1-31-92

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04-07-1998



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

3-25-98

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

1. Name of conveying party(ies):

Paul Simon CORNFIELD and Alexander Walker WISHART

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: September 21, 1997

2. Name and address of receiving party(ies):

Name: Matra Marconi Space UK. Limited

Internal Address: _____

Street Address: The Grove, Warren Lane, Stanmore

City: _____ State/Country: United Kingdom ZIP: HA7 4LY

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

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

If the document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s).

08/931,478

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Donald C. Casey, Esq.

Internal Address: _____

Street Address: 99 Canal Center Plaza, Suite 300

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. Commissioner is authorized to Deposit Account number:

03-1045, in case of deficiency or overpayment.

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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.

Donald C. Casey, Reg. No. 24,022
Name and Registration No. of Person Signing

Donald C Casey
Signature

March 23, 1998
Date

Total number of pages comprising cover sheet: 1

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I hereby certify that this correspondence is
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on March 23, 1998
By: Sharon L. Vogel

PATENT
REEL: 9144 FRAME: 0465

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|-------------------------------------|-----------|
| (1) <u>Paul Simon CORNFIELD</u> | (4) _____ |
| (2) <u>Alexander Walker WISHART</u> | (5) _____ |
| (3) _____ | (6) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Matra Marconi Space UK Limited, The Grove, Warren Lane, Stanmore, HA7 4LY, United Kingdom

its successors and assign (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

DIGITAL SIGNAL PROCESSING APPARATUS FOR FREQUENCY DEMULTIPLEXING OR MULTIPLEXING

(a) for which an application for United States Letters Patent was filed on September 16 and identified by United States Serial No. 08/931,478; or 1997

(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

- | | |
|------------------------------------|--|
| 1) <u>Paul Simon Cornfield</u> | |
| Name: Paul Simon CORNFIELD | |
| 2) <u>Alexander Walker Wishart</u> | |
| Name: Alexander Walker WISHART | |

DATE SIGNED

21st September 1997

21st September 1997

PATENT

RECORDED: 03/25/1998

REEL: 9144 FRAME: 0466