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To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert Brennan

Anthony Todd Schneider

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

2. Name and address of receiving party(ies)

Name: dsplactory Ltd.

Internal Address: _____

Street Address: 611 Kumpf DriveUnit 200City: Waterloo State: Ontario Zip: N2V 1K8Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: June 9, 2003

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)

09/846,366

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Bereskin & Parr

Internal Address: _____

Street Address: 40 King Street WestCity: Toronto State: ON Zip: M5H 3Y2Country: Canada6. Total number of applications and patents involved. 17. Total fee (37 CFR 3.41)\$ 40☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

022095

(Attach duplicate copy of this page if paying by deposit account)

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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.*Bhupinder S. Randhawa Reg. No. 47 276

Name of Person Signing

Signature

June 12, 2003

Date

B&P File # 10494-39

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
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PATENT
REEL: 013726 FRAME: 0678

UNITED STATES ASSIGNMENT

WHEREAS WE, **ROBERT BRENNAN** and **ANTHONY TODD SCHNEIDER**, whose full post office addresses are **42 Forest Breeze Court, Kitchener, Ontario, Canada N2N 3H9** and **468 Stillmeadow Circle, Waterloo, Ontario, Canada N2L 5M3**, have invented certain new and useful improvements in an invention entitled **FILTERBANK STRUCTURE AND METHOD FOR FILTERING AND SEPARATING AN INFORMATION SIGNAL INTO DIFFERENT BANDS, PARTICULARLY FOR AUDIO SIGNALS IN HEARING AIDS** for which an application for United States Letters Patent was filed on **May 2, 2001** as serial No. **09/846,366**.

AND WHEREAS, **dspfactory Ltd.**, a corporation of **Waterloo, Ontario, Canada N2V 1K8**, of **611 Kumpf Drive, Unit 200**, has acquired from us the whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, **ROBERT BRENNAN** and **ANTHONY TODD SCHNEIDER**, by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **dspfactory Ltd.**, the full and exclusive right to the said invention in the United States of America and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the Patent Cooperation Treaty based on said application for United States Letter Patent.

We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and

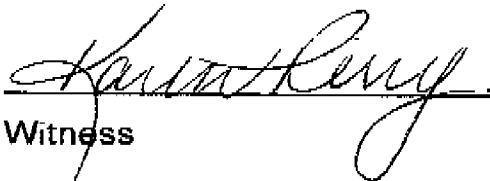
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maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.


We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said **dspfactory Ltd.**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

The undersigned hereby grant(s) the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

SIGNED this 7th day of June, 2003, at Waterloo, CANADA




Witness



ROBERT BRENNAN

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SIGNED this 9th day of JUNE , 2003, at WATERLOO , CANADA



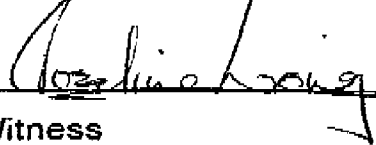
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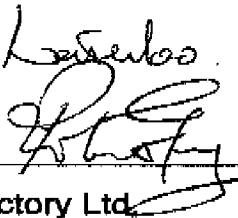
ANTHONY TODD SCHNEIDER

We accept the invention.

SIGNED this 9th day of June , 2003, at LONDON , Canada



Witness



dspfactory Ltd