

MED 9/21/99

09-29-1999

Packet No. 17002-154US

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U.S. Department of Commerce Patent and Trademark Office Copy thereof by party(ies)

To the Honorable Asst. Commissioner for Patents. Please: 1. Name of conveying party(ies): Jean Laroche

101157247

Name: Creative Technology Ltd.

Internal Address:

Street Address: 31 International Business Park, Creative Resource

City: Singapore State: ZIP: 609221

Additional names and addresses attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: September 17, 1999

4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: September 21, 1999 A. Patent Application No(s): B. Patent No(s): 09/399920 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Daniel D. Tagliaferri TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (415) 576-0200

6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Charge Fees to Deposit Account Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 20-1430

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9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document. Daniel D. Tagliaferri Name of Person Signing Signature Date 9/21/99 Atty Reg. No. 43,178 Total number of pages including cover sheet, attachments and document 3

10. Change Correspondence Address to that of Part 5? Yes No OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover to: Do not detach this portion 09/29/1999 DNGUYEN 00000111 201430 09399920 Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231 01 FC:581 40.00 CH

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Mark Dolson

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

SF 150911 v1
SF 1028601 v1

Attorney Docket No.: 17002-154US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jean Laroche, of 131 Chrystal Terrace, Santa Cruz, California 95060, Mark Dolson, of 235 El Solvo Avenue, Ben Lomond, California, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: IMPROVED PHASE-VOCODER PITCH-SHIFTING

Date(s) of execution of Declaration: _____

Filing Date: _____

Application No.: _____; and

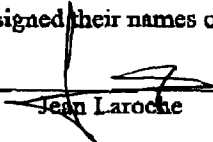
WHEREAS, Creative Technology Ltd., located at 31 International Business Park, Creative Resource, Singapore, 609221, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9/17/99



Jean Laroche

Dated: 9/17/99



Mark Dolson

SF 1023603 v1