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(Rev. 6-93)

Record



101622363

Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Aureal Inc.

Additional name(s) of conveying parties attached? ☐ Yes  
☒ No.

2. Name and address of receiving party(ies)

Name: Creative Technology Ltd

Internal Address:

Street Address: 31 International Business Park, Creative Resource

City: State: Singapore ZIP: 609921

Additional names and addresses-attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: November 2, 2000

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:

A. Patent Application No(s): WO 96/13962

B. Patent No(s): 5,307,025

Additional numbers attached? ☒ Yes ☐ No

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

Name: Charles E. Krueger  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved 27

7. Total fee (37 CFR 3.41): -----\$1080.00

☐ 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 and correct copy of the original document.*Charles E. Krueger  
Name of Person Signing

Atty. Reg. No. 30,077

Signature

01/23/01  
Date

Total number of pages including cover sheet, attachments and document 7

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

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01 FC:581 1080.00 CHPATENT  
REEL: 011523 FRAME: 0865

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

A. Patent Application No.(s)  
EP0788723

B. Patent No.(s)  
5,489,865  
5,546,477  
5,557,227  
5,475,400  
5,969,282  
5,815,578  
5,596,644  
5,802,180  
5,729,612  
5,543,578  
5,468,906  
5,659,619  
5,451,911  
5,550,566  
5,377,018  
5,349,372  
AU699647  
AU703379  
6,072,877  
6,051,772  
6,009,178  
5,661,822  
5,245,229  
5,491,498

SF 150911 v1  
SF 1179270 v1

## Attachment A

Title of Invention	Patent	Issue Date	File # (Attorney ref)	Filing Date	Serial/Apl # (PTO ref)	Inventor(s)
Audio Power Amplifier with Noise Prevention at Turn-On And Turn-Off	5,307,025	04/26/94	37286-0920	07/14/92	07/913,667	Colvin, Bryan J. Rovner, Michael S.
Circuit for Filtering Asynchronous Metastability of Cross-Coupled Logic Gates	5,489,865	02/06/96	37286-0916	02/28/92	07/843,492	Colvin, Bryan J.
Data Compression and Decompression	5,546,477	08/13/96	37288-0928	03/30/93	08/040,301	Knowles, Gregory/Lewis, Adrian S.
Economical Generation of Exponential And Pseudo-Exponential Decay Functions In Digital hardware	5,557,227	09/17/96	37286-091BUS	04/07/94	08/224,442	Cook, Perry R./Colvin Bryan J.
Graphic Card with Two Color Look Up Tables	5,475,400	12/12/95	EWG-035	11/15/93	08/153,340	Schmenk, David/Sellers, Scott
Method and Apparatus for Adjusting the Pitch and Timbre of an Input Signal In a Controlled Manner	5,969,282	10/19/99	ARELPO11	07/28/98	09/124,178	Berners, David/Ciullo William
Method and Apparatus for canceling Leakage from a Speaker	5,815,578	09/29/98	ARELP033	01/17/97	07/785,200	Foster, Scott H./Walsh, Martin J.
Method and Apparatus for Efficient Presentation of high Quality Three-Dimensional Audio	5,596,644	01/21/97	CRE006	10/27/94	08/330,240	Abel, Jonathan S./Foster, Scott H.
Method and Apparatus for Efficient Presentation of high Quality Three-Dimensional Audio Including Ambient Effects	5,802,180	09/01/98	CRE00501/CIP	01/17/97	08/785,709	Abel, Jonathan S./Foster, Scott H.
Method and Apparatus for Measuring Head-Related Transfer Functions (HRTS)	5,729,612	03/17/98	CRE003	08/05/94	___/286,873	Abel, Jonathan S./Foster, Scott H.
Residual Excited Wave Guide	5,543,578	08/06/96	37286-0904	09/02/93	08/115,958	Colvin, Cook, Gochnauer
Sound synthesis Model Incorporating Sympathetic Vibrations of Strings	5,468,906	11/21/95	37286-0906	09/02/93	08/116,165	Colvin, Brian J./Cook, Perry

Title of Invention	Patent	Issue Date	File # (Attorney ref)	Filing Date	Serial/Apl # (PTO ref)	Inventor(s)
Three-Dimensional Virtual Audio Display Employing Reduced Complexity Imaging Filters/	5,659,619	08/19/97	ARELP001/CR E00201	09/09/94	08/303,705	Abel, Jonathan
Timing Generator	5,451,911	09/19/95	37286-0919	04/07/94	08/224,349	Colvin, Bryan, J./Shindo
Video Capture Expansion Card	5,550,566	08/27/96	37286-0931	07/15/93	08/092,152	Hodgson, David O./Gochnauer, Daniel
Video Compression and Decompression Using Block Selection & Subdivision	5,377,018	12/27/94	37286-0903	06/22/92	07/902,325	Rafferty, James M.
Video Subsystem Utilizing Asymmetrical Column Interleaving	5,349,372	09/20/94	EWG-024	07/16/93	08/092,702	Sellers, Scott D.
Method and Apparatus for Efficient Presentation of High Quality Three-Dimensional Audio	AU69964 7	12/10/98	CRE006AU	10/26/95	AU 9539694	Abel, Jonathan S./Foster, Scott H.
Method and Apparatus of Efficient Presentation of High Quality Three-Dimensional Audio	EP 0 788 723 B1 and WO 96/13962	05/24/00	CRE006EP	10/26/95	95937648.4	Abel, Jonathan S./Foster, Scott H.
Three-Dimensional Virtual Audio Display Employing Reduced Complexity Imaging Filters	AU 703379	03/25/99	ARELP001AD	05/03/95	24503/95 AU 199524603 B2 (Australia)	Abel, Jonathan S.
Three-Dimensional Virtual Audio Display Employing Reduced Complexity Imaging Filters	6,072,877	06/06/00		8/6/97	907309	Abel, Jonathan S.
Method and Apparatus for Emulating a Frequency Modulation Device	6,051,772	4/18/00		7/15/97	893148	Cameron, Charles J.; Catlin, Gary M.
Method and Apparatus for Crosstalk Cancellation	6,009,178	12/28/99		9/16/96	710334	Abel, Jonathan S.; Welsh, Stacy Lynn
Data Compression and Decompression	5,661,822	8/26/97		10/12/94	321656	Knowles, Gregory P.; Lewis, Adrian S.
Digitally Controlled Integrated Circuit Anti-Clipping Mixer	5,245,229	9/14/93		2/28/92	843045	Colvin, Sr. Bryan J.

<b>Title of Invention</b>	<b>Patent</b>	<b>Issue Date</b>	<b>File # (Attorney ref)</b>	<b>Filing Date</b>	<b>Serial/Apl # (PTO ref)</b>	<b>Inventor(s)</b>
Digital Audio Delivery in a Graphics Controller Architecture	5,491,498	2/13/96		11/15/93	152624	Koyama, Ryo; Bartlett, Niall M.

**ASSIGNMENT  
SOLE**

WHEREAS, pursuant to the Asset Purchase Agreement dated October 31, 2000, between Aural Inc., a Delaware corporation having its principal place of business at 45757 Northport Loop West, Fremont, California 94538 ("Assignor"), and Creative Technology Ltd., duly organized under and pursuant to the laws of Singapore, and having its principal place of business at 31 International Business Park, Creative Resource, Singapore 609921 ("Assignee"), Assignor wishes to assign all of its rights, title and interest (including, without limitation, all copyrights) in and to registered patents listed in the attached Appendix A and the inventions described therein (the "Patents"); and Assignee wishes to accept such assignment;

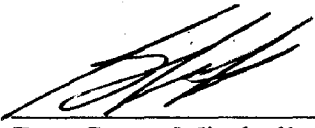
NOW, THEREFORE, said Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest, including without limitation the right to sue for past infringement, in and to the above-mentioned inventions, the above-mentioned Patents in the United States of America and all foreign countries which may be granted therefor and thereon, in and to any and all divisions, continuations and continuations-in-part, reissues, and extensions of said Assignor and all rights under the International Convention for the Protection of Industrial Property, reexaminations and examinations thereof (collectively, the "Patent Rights"), and all other patents and patent applications claiming priority from the Patent Rights and from which the Patent Rights claim priority, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, legal representatives and assigns to the full extent of the term, as fully and entirely as the same would have been held and enjoyed by Assignor had this sale and assignment not been made.

AND Assignor also hereby irrevocably appoints the Assignee and any of its officers as its agent and attorney in fact to undertake such acts in its name, and Assignor waives and quitclaims to Assignee any and all claims of any nature whatsoever that it may now have or may later have for infringement of any intellectual property rights in the Patents; provided, however, that nothing in the foregoing shall be construed to prevent Assignor from asserting any rights, claims or causes of action as a defense in any legal proceeding.

AND said Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Patent of the United States to said Assignee as the Assignee of the entire interest of said inventions and the Patents to be issued thereon for the sole use of said Assignee.

November 2, 2000  
Date

AUREAL INC.

  
By: Steve Mitchell  
Title: Chief Operating Officer

sf-986170

RECORDED: 01/26/2001

PATENT  
REEL: 011523 FRAME: 0871