

11-23-1998



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Substitute Form PTO-1595

Docket . 01-6

U.S. DEPT. OF COMMERCE  
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# RECORDATION FORM COVER SHEET PATENTS ONLY

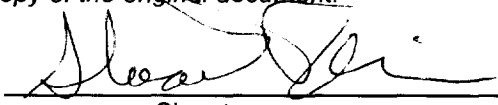
To the Hon. Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of the conveying party(ies) : Guozhu Long,	2. Name and address of receiving party(ies):  Centillum Technology Corp.
3. Nature of conveyance: 100 % <b>assignment</b> of title to invention and patent applications.  Execution Date: _10/7/98_____	46531 Fremont Blvd. Fremont, CA 94538
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)                      B. Patent No.(s) <b>09/162,431</b>	
5. Name and address of party to whom correspondence concerning document should be mailed : Stuart T. Auvinen 429 26th Ave. Santa Cruz, CA 95062  (831) 476-5506 (831) 477-0703 FAX	6. Total number of applications and patents involved: <b>1</b>  7. Total fee (37 CFR 3.41)..... \$ 40. <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <b>01-2950</b>

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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.*

Stuart T. Auvinen  
Reg. No. 36,435

  
Signature

\_11/11/98\_  
Date

Total number of pages including cover sheet, attachments, and document \_3\_

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PATENT  
REEL: 9590 FRAME: 0347

## ASSIGNMENT OF INVENTION AND PATENT APPLICATION

For value received,

Guozhu Long, of Newark California,

(hereinafter ASSIGNOR), hereby sells, assigns, transfers, and sets over unto

Centillum Technology Corp. of Fremont , California,

and its successors or assigns (hereinafter ASSIGNEE) 100 % of the following:

(A) ASSIGNOR'S right, title and interest in and to the invention entitled "Lower-Complexity Peak-To-Average Reduction Using Intermediate-Result Subset Sign-Inversion for DSL" invented by ASSIGNOR;

(B) the application for United States patent therefor, signed by ASSIGNOR on 9-25-98, United States Patent and Trademark Office Serial Number 09/162,431, filed 9-28-98.

(C) any patent or reissues of any patent that may be granted thereon; and

(D) any applications which are continuations, continuations-in-part, substitutes, or divisions of said application. ASSIGNOR authorizes ASSIGNEE to enter the date of signature and/or Serial Number and Filing Date in the spaces above. ASSIGNOR also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) as follows: 100 % to Centillum Technology Corp..

ASSIGNOR hereby further sells, assigns, transfers, and sets over unto ASSIGNEE, the entire right title, and interest in and to said invention in each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE all priority rights resulting from the above-identified application for United States patent. ASSIGNOR agrees to execute all papers, give any required testimony and perform other lawful acts, at ASSIGNEE'S expense, as ASSIGNEE may require to enable ASSIGNEE to perfect ASSIGNEE'S interest in any resulting patent of the United States and countries foreign thereto, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions therefor, and ASSIGNEE'S interest therein.

In testimony whereof ASSIGNOR has hereunto set its hand and seal on the date below.

Josh Long  
Guozhu Long

State: CALIFORNIA }  
County: ALAMEDA } ss

Subscribed and sworn to before me on OCTOBER 7, 1998 (date)

Christine D. Hungerford  
Notary Public

My Commission Expires April 29, 2002

