

05-05-2004



Form PTO-1595  
(Rev. 10/02, modified)  
OMB No. 0651-0027 (exp. 6/30/2005)

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**PATENTS ONLY**

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U.S. Department of Commerce  
Patent and Trademark Office

5-3-04

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

## 1. Name of conveying party(ies):

Howard Freedland, Secretary of DVDO, Inc.

Additional names of conveying parties attached? ☐ Yes ☒ No

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

Silicon Image, Inc.  
1060 E. Arques Avenue  
Sunnyvale, California 94086

3. Nature of conveyance: ☐ Assignment  
☐ Merger ☐ Security Agreement  
☐ Change of Name ☒ Reassignment  
☐ Other

Execution date: November 21, 2003.

Additional names of receiving parties attached? ☐ Yes ☒ No

## 4. Application number and/or patent number:

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

A. Patent Application No.  
09/359,530

B. Patent No.(s)  
6,587,158

Additional numbers attached: ☐ Yes ☒ No

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

Customer No.  
Perkins Coie LLP  
P.O. Box 2168  
Menlo Park, CA 94026  
(650) 838-4300

6. Total No. of applications and patents involved: one (1)7. Total fee (37 CFR §3.41): \$40.00

☒ Enclosed

☐ Charge Deposit Account No. 50-2207

8. Deposit Account No. 50-2207

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

**DO NOT USE THIS SPACE**

## 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.*

Jonathan P. Kudla  
Name of Person Signing

*Jonathan P. Kudla*  
Signature

4/29/04  
Date

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

05/04/2004 REGISTRATION 00000044 09359530

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[59472-8006-US0100/BY041190.052]

**PATENT**  
**REEL: 015271 FRAME: 0678**

## Assignment of Invention

THIS ASSIGNMENT OF INVENTION to SILICON IMAGE, INC., a corporation duly organized under and pursuant to the laws of California, and having its principal place of business at 1060 E. Arques Avenue, Sunnyvale, California 94086 (hereinafter referred to as the Assignee), by DVDO, Inc., a California corporation (hereinafter referred to as the Assignor), respectively witnesseth:

WHEREAS, the said Assignor was previously assigned rights of invention by Dale R. Adams, Laurence A. Thompson and Jano D. Banks who invented certain new and useful inventions (hereinafter "Inventions") set forth in U.S. Patent 6,587,158 (U.S. Patent Application 09/359,530), entitled: **METHOD AND APPARATUS FOR REDUCING ON-CHIP MEMORY IN VERTICAL VIDEO PROCESSING**, (Reel/Frame: 010128/0663, recorded on July 22, 1999) (hereinafter "Application").

WHEREAS, the said Assignee, is desirous of acquiring the entire right, title and interest in and to said Invention and said Application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor or derived therefrom;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, the said Assignor has sold, assigned, transfer and set over, and by these presents does sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned Inventions, Application, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor or derived therefrom, and in and to any and all divisions, continuations, and continuations-in-part of said Application, or reissues, reexaminations, or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property and all other foreign rights, the same to be held and enjoyed by the said Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, including all rights to collect damages for infringement prior to the date of this Assignment, had this sale and Assignment not been made.

AND, for the same consideration, the said Assignor hereby covenants and agrees to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignor is the lawful owner of the entire right, title and interest in and to the said Inventions and the Application for above-mentioned, and that the same are unencumbered and that

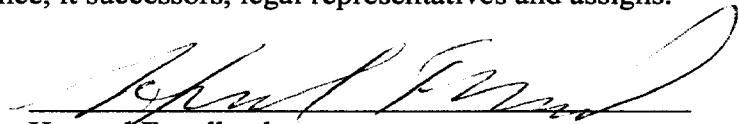
the said Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND, for the same consideration, the said Assignor hereby covenants and agrees to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignor will, whenever counsel of the said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said Inventions, or said Application, or any proceeding in connection with patent for said Inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for patent, or any reissue or extension of any patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of patents for said Inventions, without charge to said Assignee, his/her/their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

The Assignor hereby authorizes the firm of PERKINS COIE LLP to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal in the United States Patent Office, and any Patent Office foreign to the United States.

The Assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said Inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said Assignee, its successors, legal representatives and assigns.

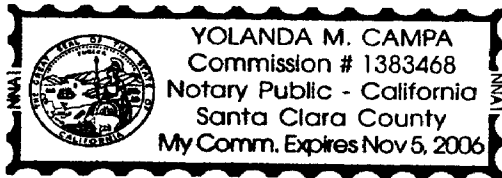
Date: 11/21/03

  
Howard Freedland  
Secretary of DVDO, Inc.

STATE OF California )  
COUNTY OF Santa Clara ) : ss

On February 24, 2004 before me, Yolanda M. Campa, personally appeared **Howard Freedland** (Secretary of DVDO, Inc.), personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Seal



WITNESS my hand and official seal.

Yolanda M. Campa  
Signature