

02-25-1999



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PATENT APPLICATION  
Attorney Do. No. 7293-3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of: Michael G. WEST, et al.

Application No. 09/198,314

Filed: November 23, 1998

For: IMAGE SCALING CIRCUIT FOR FIXED PIXEL RESOLUTION DISPLAY

2-22-99

BOX ASSIGNMENT

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

- 1 Name of party(ies) conveying an interest: Michael G. WEST; Robert Y. GREENBERG and Alan L. Zimmerman
- 2 Name and address of party(ies) receiving an interest: Pixelworks, Inc., 8100 SW Nyberg Road, Suite 100, Tualatin, Oregon 97062
- 3 Description of the interest conveyed:  
 Assignment     Change of Name     Security Agreement     Merger  
 Date of execution of attached document: January 15, 1999
- 4 Application number(s) 09/198,314 or patent number(s). Additional sheet attached? Yes  No   
 If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_.
- 5 Name and address of party to whom correspondence concerning document should be mailed:  
 MARGER JOHNSON & McCOLLOM, P.C.  
 1030 SW Morrison Street  
 Portland, OR 97205  
 Telephone: (503) 222-3613
- 6 Number of applications and patents involved: 1
- 7 Enclosed is our check for \$40
- 8 Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
- 9 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.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Assignment, Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231.  
 Date: February 17, 1999

*Bridget Morrison*  
 Bridget Morrison

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

*Graciela G. Cowger*

Graciela G. Cowger, Reg. No. 42,444

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Total number of pages comprising cover sheet and attached assignments: 4

PATENT

REEL: 9775 FRAME: 0678

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ASSIGNMENT

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**Assignee:** Pixelworks, Inc.  
**Address:** 8100 SW Nyberg Road, Suite 100  
Tualatin, OR 97062

**Title of Invention:** IMAGE SCALING CIRCUIT FOR FIXED PIXEL RESOLUTION DISPLAY

U.S. Patent Application:

Application Serial No. 09/198,314

Filing Date: November 23, 1998

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the

attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Tualatin, Oregon, this 15<sup>th</sup> day of January 1999.

*Michael G. West*

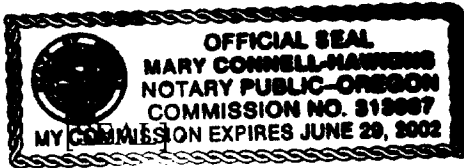
Michael G. West  
Assignor

STATE OF OREGON)

) ss.

County of Washington)

Before me this 15 day of January 1999, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



*Mary Connell-Hawkins*  
Notary Public for Oregon  
My commission expires: June 29, 2002

Executed at Tualatin, Oregon, this 15<sup>th</sup> day of January 1999.

*Robert Y. Greenberg*

Robert Y. Greenberg  
Assignor

STATE OF OREGON)

) ss.

County of Washington)

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*Mary Connell-Hawkins*  
Notary Public for Oregon  
My commission expires: June 29, 2002

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*Alan L. Zimmerman*

Alan L. Zimmerman  
Assignor

STATE OF OREGON)

) ss.

County of Washington)

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*Mary Connell-Hawkins*

Notary Public for Oregon

My commission expires: June 29, 2002

[SEAL]

