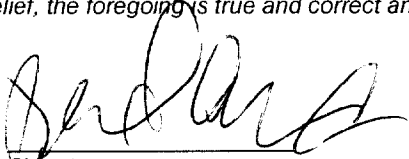


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04-05-2000



Attorney Docket No. 15358-20-1US
Client Ref.: ID-CRC-069A

FORM PTO-1595 (Rev. 6-93)		101306812 <i>(Patents Only)</i>		U.S. 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): Edward L. Schwartz Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.		2. Name and address of receiving party(ies): Name: Ricoh Company, Ltd. Internal Address: Street Address: 15-5 Minami Aoyama 1-Chome, Minato-ku City: Tokyo Country: Japan ZIP: 107-8544 Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: January 31, 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: January 31, 2000					
A. Patent Application No(s): 08/842,663		B. Patent No(s):			
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Philip H. Albert TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200			6. Total number of applications and patents involved 1		
			7. Total fee (37 CFR 3.41): -----\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> 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		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>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.</i>					
Philip H. Albert Name of Person Signing		 Signature		2/3/00 Date	
Atty. Reg. No. 35,819		Total number of pages including cover sheet, attachments and document 3			
10. Change Correspondence Address to that of Part 5? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
OMB No. 0651-0011 (exp. 4/94)					
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04/05/2000 TTON11 00000029 201430 08842663		Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231			
01 FC:581 40.00 CH					

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PATENT
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ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Edward L. Schwartz, of 713 Pierino Avenue, Sunnyvale, CA 94086, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: DATA COMPRESSION FOR INDEXED COLOR
IMAGE DATA

Date(s) of execution of Declaration: January 31, 2000

Filing Date: April 15, 1997

Application No.: 08/842,663 ; and

WHEREAS, Ricoh Company, Ltd., of 15-5 Minami-Aoyama 1-Chome, Minato-ku, Tokyo, Japan, 107-8544, 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.

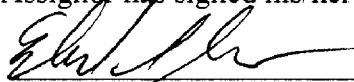
For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from 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 Assignor 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.

Assignor further agrees that Assignor 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 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.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 31 January 2000



Edward L. Schwartz

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On _____, before me, _____, personally appeared Edward L. Schwartz, 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.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

SF 1061415 v1