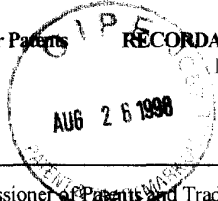


Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

8/26/98



09-08-1998



100823099

DEPARTMENT OF COMMERCE
Patent and Trademark Office

Patent No. 100321

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

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

YEQING ZHANG
JENG-NAN SHIAU
MARTIN EDWARD BANTON

B. Additional name(s) of conveying party(ies) attached? Yes No

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

XEROX CORPORATION
800 Long Ridge Road
P.O. Box 1600
Stamford, Connecticut 06904-1600

B. Additional name(s) & address(es) attached? Yes No

3. A. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

B. Execution Date: July 21, 1998

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

B. Patent Application No. 09/120,331

C. Patent No.(s) _____

D. Additional numbers attached? Yes No

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

James A. Oliff
OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Charge to Deposit Account No. 24-0037

A duplicate copy of this page is attached.

8. Credit any overpayment or charge any underpayment to deposit account number 24-0037.

09/02/1998 JSH/DAZZ 00000018 240037 09120331
01 FC:501 40.00 CH

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.

Date: August 26, 1998

James A. Oliff Registration No. 27,075
Stuart I. Smith Registration No. 42,159

Total number of pages: 2

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Yeqing ZHANG, Jeng-nan SHIAU and Martin Edward BANTON

who have created a certain invention for which an application for United States Letters Patent has been executed concurrently herewith and is entitled

AUTOMATIC IMAGE ENHANCEMENT OF HALFTONE AND CONTINUOUS TONE IMAGES

Do hereby sell, assign and transfer to XEROX CORPORATION, a corporation of the State of New York having a place of business at Stamford, in the County of Fairfield, and State of Connecticut, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts and treaties;

Agree that XEROX CORPORATION hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Yeqing Zhang
Date: 7/21/98

Date: _____

Martin Edward Banton
Date: 7/21/98

Date: _____

Jeng-nan Shiau
Date: 7/21/98

Date: _____

Date: _____

Date: _____

Date: _____

Return Address: OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, VA 22320

Rev 12-8-89
(SOLE/JOINT/CONCURRENT)