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1. Name of conveying party(ies):

James D. Greenfield
Agnes Y. Ngai
John M. Sutton
Edward F. Westermann

04/19/01

Additional names of conveying party(ies) attached?
 yes no

3. Nature of Conveyance

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 4/18/01

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

Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road
City Armonk
State New York Zip 10504

Additional name(s) & address(es) attached? yes no

11000 U.S. PTO
09/838758

04/19/01

4. Application number(s) or patent number(s):

Title: **SIMULTANEOUS VERTICAL SPATIAL FILTERING AND CHROMA CONVERSION IN VIDEO IMAGES**

If this document is being filed together with a new application, the execution date of the application is 4/18/01

A. Patent Application No(s).

B. Patent No(s).

09/838758

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved: 1

7. Total fee (37 CVF 3.41): \$ 40.00

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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.

William H. Steinberg
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Signature

4/18/01
Date

Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT

Whereas, We

- | | | |
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| Inventor
and City | (1) James D. Greenfield
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have invented certain improvements in

Title **SIMULTANEOUS VERTICAL SPATIAL FILTERING AND CHROMA CONVERSION IN VIDEO IMAGES**


Dates That Inventor Signed and have executed, respectively, a United States patent application therefor on

- | | | |
|-----|----------------|-----------|
| (1) | <i>4/18/01</i> | 2001, |
| (2) | <i>4/18/01</i> | 2001, |
| (3) | <i>4/18/01</i> | 2001, and |
| (4) | <i>4/18/01</i> | 2001. |

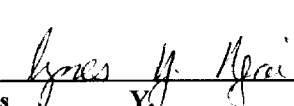
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

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City (1) Signed at *Endicott, NY*
 Date on *4/18/01*


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 (James D. Greenfield) inventor
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