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ON

Atty. Docket: 169.0723

To the Honorable Commissioner of Patents at

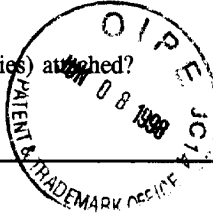
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original documents or copy thereof.

1. Name of conveying party(ies):
PAUL Q. SCOTT, JEREMY D.M. THROP, TIMOTHY
M. LONG, NICOLAS L. COLEMAN and RICHARD
M. ANTILL

Additional name(s) of conveying party(ies) attached?

Yes No



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

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku

Tokyo, Japan

Domestic Address: _____

City: _____ State _____ ZIP _____

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: June 2, 1998

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

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

A. Patent Application Number: 09/002,883

Filing Date: January 5, 1998

B. Title of Invention:

THUMBNAIL MANIPULATION USING FAST AND
ASPECT RATIO ZOOMING, COMPRESSING AND
SCALING

Additional numbers attached? Yes No

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

Name: Fitzpatrick, Cella, Harper & Scinto

277 Park Avenue

New York, New York 10172-0194

Telephone No.: (202) 530-1010

Facsimile No.: (212) 758-2982

6. Number of applications and patents involved:

One

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(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 the attached is the original document or is a true copy of the original document.

SCOTT D. MALPEDE, Reg. No. 32,533

Name of Person Signing

Scott D. Malpede
Signature

June 8, 1998
Date

Total number of pages including cover sheet, attachments, and documents: 5

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06/17/1998

ASSIGNMENT

FOR VALUE RECEIVED, WE (1) PAUL Q. SCOTT, (2) JEREMY D.M. THORP, (3) TIMOTHY M. LONG, (4) NICOLAS L. COLEMAN, and (5) RICHARD M. ANTILL

citizens of (1) to (3) and (5) Australia, and (4) United Kingdom

residing, respectively, at 21 Birubi Avenue, Pymble, New South Wales 2073, Australia; 405/2-14 Victor Street, Chatswood, New South Wales 2067, Australia, 47 Ivey Street, Lindfield, New South Wales 2070, Australia, 209 Wigram Road, Glebe, New South Wales 2037, Australia and Suite 360, 272 Victoria Avenue, Chatswood, New South Wales 2067, Australia

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to THUMBNAIL MANIPULATION USING FAST AND ASPECT RATIO ZOOMING, COMPRESSING AND SCALING

and described in an application filed January 5, 1998, and assigned Application No. 09/002,883,

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Assistant Commissioner of Patents of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

PATENT

REEL: 9258 FRAME: 0002

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal this 2nd day of June , 1998

Witness:

Mr E Lane

Mr E Lane

Mr E Lane

Mr E Lane

Mr E Lane

Assignors:

Paul Scott L.S.
PAUL Q. SCOTT

J Thorp L.S.
JEREMY D.M. THORP

Tim Long L.S.
TIMOTHY M. LONG

Nicholas L. Coleman L.S.
NICHOLAS L. COLEMAN

Nicholas M. Antill L.S.
RICHARD M. ANTILL

(Joint Inventors)
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