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ORDINATION

Atty. Docket:

To the Director, U.S. Patent and

ted original documents or copy thereof.

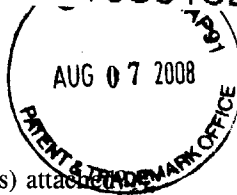
1. Name of conveying party(ies):

Canon Kabushiki Kaisha

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

☐ Yes

☒ No



103519264

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

Name: CANON KABUSHIKI KAISHA

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

Tokyo 146-8501, Japan

AND

Name: MICROSOFT CORPORATION

Domestic Address: One Microsoft Way

City: Redmond State WA ZIP 98052

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: July 24, 2008

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 Numbers and Filing Dates:

See Attached Sheets

B. Title of Inventions:

See Attached Sheets

Additional numbers attached?

☒ Yes

☐ No

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

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3800

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

22

7. Total fee (37 CFR 3.41): . . \$ 880.00

☒ 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):

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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 true copy of the original document.

Michael K. O'Neill, Reg. No. 32,622
Name of Person Signing

Michael K. O'Neill
Signature

August 6, 2008
Date

Total number of pages including cover sheet, attachments, and documents: 6

| <u>Application No.</u> | <u>Filing Date</u> | <u>Atty. Docket</u> | <u>Title</u> |
|------------------------|--------------------|---------------------|--|
| 10/651,007 | 8/28/03 | 03596.002183 | COLOR DESCRIPTOR DATA STRUCTURE |
| 10/651,232 | 8/28/03 | 03596.002188 | GAMUT MAPPING BETWEEN MULTIPLE BOUNDARY REGIONS |
| 10/740,395 | 12/22/03 | 03596.002241 | DYNAMIC GENERATION OF COLOR LOOK-UP TABLES |
| 10/840,345 | 5/5/04 | 03596.002285 | CHARACTERIZATION OF DISPLAY DEVICES BY AVERAGE CHROMATICITY VALUES |
| 10/840,321 | 5/6/04 | 03596.002286 | CHARACTERIZING COLOR INPUT DEVICES WITH WELL-BEHAVED EXTRAPOLATION |
| 10/840,539 | 5/6/04 | 03596.002433 | COLOR APPEARANCE SPACE TO CMYK MAPPING |
| 10/840,564 | 5/6/04 | 03596.002445 | GAMUT MAPPING WITH PRIMARY COLOR ROTATION |
| 11/396,693 | 4/4/06 | 03596.002445.1 | GAMUT MAPPING WITH PRIMARY COLOR ROTATION |
| 10/840,089 | 5/6/04 | 03596.002462 | COLOR CHARACTERIZATION USING COLOR VALUE CLIPPING |
| 10/956,445 | 10/1/04 | 03596.002513 | COLOR CHARACTERIZATION OF PROJECTORS |
| 11/039,724 | 1/18/05 | 03596.002756 | COLOR TRANSFORMATION WITH BLACK PRESERVATION |
| 11/039,492 | 1/18/05 | 03596.002791 | SOURCE DEVICE TO DESTINATION DEVICE TRANSFORM USING BLACK WEIGHT |
| 11/042,140 | 1/26/05 | 03596.002792 | COLOR CONVERSION USING BARYCENTRIC PROJECTIONS |
| 11/042,106 | 1/26/05 | 03596.002793 | COLOR CONVERSION WITH MANY INPUT CHANNELS |

| <u>Application No.</u> | <u>Filing Date</u> | <u>Atty. Docket</u> | <u>Title</u> |
|------------------------|--------------------|---------------------|---|
| 11/121,409 | 5/3/05 | 03596.003047 | CREATION OF TRANSFORM-BASED PROFILES BY A MEASUREMENT-BASED COLOR MANAGEMENT SYSTEM |
| 11/208,472 | 8/19/05 | 03596.003310 | EFFECTING GAMUT OPERATIONS USING BOUNDARY LINE ELEMENTS |
| 11/245,655 | 10/7/05 | 03596.003355 | COMPUTATION OF GAMUT BOUNDARY BY SAMPLING DEVICE-INDEPENDENT COLOR SPACE |
| 11/398,682 | 4/6/06 | 03596.003729 | TIME EFFICIENT GENERATION OF COLOR LOOK-UP TABLE |
| 11/399,742 | 4/7/06 | 03596.003732 | INVERSION OF COLOR DEVICE MODELS |
| 11/400,549 | 4/7/06 | 03596.003733 | BLACK ENHANCEMENT IN PERCEPTUAL GAMUT MAPPING |
| 11/399,972 | 4/7/06 | 03596.003735 | GAMUT MAPPING WITH SATURATION INTENT |
| 11/486,492 | 7/14/06 | 03596.004065 | INITIALIZATION OF COLOR APPEARANCE MODEL |

FCIS_WS 2376592v1

ASSIGNMENT

WHEREAS Canon Kabushiki Kaisha is a corporation of Japan, having a principal place of business at 30-2 Shimomaruko, 3-chome, Ohta-ku, Tokyo 146-8501, Japan (hereinafter "Canon"); and

WHEREAS Microsoft Corporation is a corporation of Washington, having a principal place of business at One Microsoft Way, Redmond, Washington 98052 (hereinafter "Microsoft"); and

WHEREAS Canon and Microsoft have mutually entered into a Joint Ownership Agreement; and

WHEREAS, pursuant to the Joint Ownership Agreement, Canon assigned and was deemed to have assigned to Microsoft an undivided joint ownership interest in certain U.S. patents and U.S. patent applications;

NOW THEREFORE, pursuant to the Joint Ownership Agreement, and for value received thereunder, Canon hereby assigns, *nunc pro tunc* as of the effective date of the Joint Ownership Agreement, an undivided joint ownership interest to Microsoft, and to its legal successors and assigns, in the U.S. patents and U.S. patent applications listed in the attached Schedule of Assigned Properties (hereinafter the "Assigned Properties");

AND the Assigned Properties shall include the properties listed in the attached Schedule of Assigned Properties as well as their divisionals, changes of their applications including continuations-in-part, their renewals and continuations, and all Letters Patent of the United States which may be granted, thereon, and all reissues, reexaminations and extensions thereof; and Canon hereby authorizes and requests the Commissioner of Patents of the United States to issue all Letters Patent upon the Assigned Properties jointly in the names of Canon and Microsoft or to such nominees as they may designate;

AND Canon authorizes and empowers Canon and Microsoft jointly, or their nominees, to invoke and claim for any application for patent or other form of protection filed by them, the 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, and to invoke and claim such right of priority without further written or oral authorization;

AND Canon hereby consents that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose;

AND Canon hereby covenants that it has the full right to convey an undivided joint ownership interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

IN TESTIMONY WHEREOF, the undersigned (whose title is supplied below) states that he is empowered to act on behalf of Canon, and sets his hand and seal this 24th day of July, 2008.

On behalf of Canon Kabushiki Kaisha:

 L.S.

Nobuyoshi Tanaka
Senior Managing Director
Group Executive
Corporate Intellectual Property and Legal Headquarters
Canon Kabushiki Kaisha

Schedule of Assigned Properties

| <u>Application No.</u> | <u>Filing Date</u> | <u>Client Ref.</u> | <u>Atty. Docket</u> |
|------------------------|--------------------|--------------------|---------------------|
| 10/651,007 | 8/28/03 | CFP 02724 US | 03596.002183 |
| 10/651,232 | 8/28/03 | CFP 02725 US | 03596.002188 |
| 10/740,395 | 12/22/03 | CFP 02789 US | 03596.002241 |
| 10/840,345 | 5/5/04 | 10002259 US01 | 03596.002285 |
| 10/840,321 | 5/6/04 | 10001739 US01 | 03596.002286 |
| 10/840,539 | 5/6/04 | 10002598 US01 | 03596.002433 |
| 10/840,564 | 5/6/04 | 10002600 US01 | 03596.002445 |
| 11/396,693 | 4/4/06 | 10002600 US02 | 03596.002445.1 |
| 10/840,089 | 5/6/04 | 10002595 US01 | 03596.002462 |
| 10/956,445 | 10/1/04 | 10008573 US01 | 03596.002513 |
| 11/039,724 | 1/18/05 | 10012679 US01 | 03596.002756 |
| 11/039,492 | 1/18/05 | 10015473 US01 | 03596.002791 |
| 11/042,140 | 1/26/05 | 10015474 US01 | 03596.002792 |
| 11/042,106 | 1/26/05 | 10015476 US01 | 03596.002793 |
| 11/121,409 | 5/3/05 | 10020611 US01 | 03596.003047 |
| 11/208,472 | 8/19/05 | 10024541 US01 | 03596.003310 |
| 11/245,655 | 10/7/05 | 10025025 US01 | 03596.003355 |
| 11/398,682 | 4/6/06 | 10035385 US01 | 03596.003729 |
| 11/399,742 | 4/7/06 | 10035386 US01 | 03596.003732 |
| 11/400,549 | 4/7/06 | 10035387 US01 | 03596.003733 |
| 11/399,972 | 4/7/06 | 10035388 US01 | 03596.003735 |
| 11/486,492 | 7/14/06 | 10038214 US01 | 03596.004065 |

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