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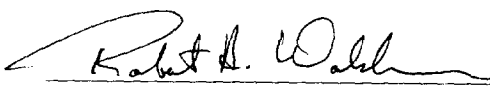
use record the attached original

<p>1. Name of conveying party(ies): (1) Virginia Chi-Chuen Chao; (2) Scott A. Estes; (3) Thomas B. Faure; (4) Thomas M. Wagner.</p> <p>Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment Merger <input type="checkbox"/> Security Agreement Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>October 23, 1998</u></p>	<p>2. Name and address of receiving party(ies): Name: <u>International Business Machines Corporation</u> Street Address: <u>New Orchard Road</u> City: <u>Armonk</u> State: <u>New York</u> ZIP: <u>10504</u></p> <p>Additional name(s) & address(es) attached? YES <input type="checkbox"/> XNO <input checked="" type="checkbox"/></p>
<p>4. Application number(s) or patent number(s): <u>09/178209</u> If this document is being filed together with a new application, the execution date of the application is: <u>October 23, 1998</u>.</p> <p>A. Patent Application Number(s) _____ B. Patent Number(s) _____</p> <p>Additional number(s) attached? YES <input type="checkbox"/> X NO <input checked="" type="checkbox"/></p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Kevin R. Casey</u></p> <p>Internal Address: <u>Ratner & Prestia</u> Street Address: <u>Suite 301, One Westlakes, Berwyn,</u> <u>P.O. Box 980</u> <u>Valley Forge, PA 19482-0980</u> Phone: <u>(610) 407-0700</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/></p> <p>8. Deposit account number: <u>09-0456 (IBM Corporation)</u> (Attach duplicate copy of this page if paying by deposit account.)</p>

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09/178209
10/23/98

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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.

Robert A. Walsh,  Oct 23, 1998
Name of Person Signing Signature Date
Registration. No. 26,516 Tel. No. (802) 769-9555

Total number of pages including cover sheet, attachments, and document: 3

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.

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Date of Deposit 10/23/98

Name of Person Making Deposit SUZIE SHIELDS

Signature Suzie Shields

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ASSIGNMENT

WHEREAS, I/we, ^{V.C.C.C.} Virginia Chi-Chuen Chao, of ^{55 Saybrook Rd., Essex Jct, VT 05452} ~~12 Fayette Road, #343, South Burlington,~~
~~Vermont 05403~~, Scott A. Estes, of 15 Hillside Circle, Essex Junction, Vermont Thomas B. Faure,
of 5273 Waller Road, Georgia, Vermont 05478 Thomas M. Wagner, of 66 Hawthorne Circle,
South Burlington, Vermont 05403, (hereinafter referred to as "ASSIGNOR") have made an invention
entitled **DILUTE ACID RINSE AFTER DEVELOP FOR CHROME ETCH** for which, on even date
herewith, the ASSIGNOR executed an application for United States Letters Patent;

WHEREAS, the ASSIGNEE, **International Business Machines Corporation, New Orchard Road, Armonk, New York 10504** a corporation organized and existing under and by virtue of the laws of the State of New York, is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the ASSIGNEE the ASSIGNOR'S entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that ASSIGNOR shall be legally bound, upon request and at the expense of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of the assignee and to execute all instruments proper to carry out the intent of this instrument.

Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: **Virginia Chi-Chuen Chao**

Virginia Chi-Chuen Chao
Signature

Signed At: Essex Jct., Vermont

Date: Oct. 23, 1998

ASSIGNOR #2:

Typed Name: **Scott A. Estes**

Scott A. Estes
Signature

Signed At: Essex Junction, Vermont

Date: Oct. 23, 1998

ASSIGNOR #3:

Typed Name: **Thomas B. Faure**

Thomas B. Faure
Signature

Signed At: Essex Jct., Vt.

Date: Oct. 23, 1998

ASSIGNOR #4:

Typed Name: **Thomas M. Wagner**

Thomas M. Wagner
Signature

Signed At: Essex Junction, Vermont

Date: Oct. 23, 1998