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SHEET

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1. Name of conveying party(ies): Robert Jeffrey Schloss Philip Shi-lung Yu Additional name(s) of conveying party(ies) attached?Yes _X_No 3. Nature of conveyance:	<pre>2. Name and address of receiving party(ies): Name:</pre>
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11-13-98

PATENT REEL: 9608 FRAME: 0106 JOINT FORM) (MORE THAN TWO) (IBM Docket Y0998-405)

Page 1 of 2

Assignment

Whereas, we

Inventor and City

Robert Jeffrey Schloss

County of Westchester of Briarcliff Manor and State of New York

Philip Shi-lung Yu and (2)

County of Westchester of Chappaqua and State of New York

have invented certain improvements in

TITLE

Identifying. Processing and Caching Object Fragments in a Web Environment

and executed, respectively, a United States patent application therefor on DATES THAT (1) November 13, 1998, and (2) November 13, 1998. INVENTORS SIGNED THE

DECLARATION

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;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM. and foreign applications when called upon to do so by IBM.

Signed and sealed ple-SIGNATURE (1) at Yorktown Heights, CITY Schloss) INVENTOR DATE on November 13, 1998, (MIDDLE INITIAL LAST NAME FIRST NAME Signed and sealed and (2) at Yorktown Heights, CITY on November 13, 1998, (Philip Yıı DATE LAST NAME FIRST NAME MIDDLE INITIAL

> State of New York)ss.: County of Westchester)

INVENTOR (1)

INVENTOR

(2)

day of November 1998, before me personally came 13th On this Robert J. Schloss to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

)ss.: New York County of Westchester)

13th On this day of November

MICHELLE PARRA Notary Public, State of New No. 01PA5089349 Qualified in Dutchess County

Commission Expires December 8, 1998 1998, before me personally came

to me personally known, and known to me to be the Philip S.-1. Yu person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary
MICHELLE PARRA
Notary Public, State of New York
No. 01PA5089349
Qualified in Dutchess County
Commission Expires December 8, 1999

PATENT REEL: 9608 FRAME: 0107

RECORDED: 11/13/1998