

06-07-2004

Form PTO-1595



ICE

U.S. Department of Commerce

5-2804

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ENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

a) Peter F. Cipriano _____ i) _____
 b) _____ j) _____
 c) _____ k) _____
 d) _____ l) _____
 e) _____ m) _____
 f) _____ n) _____
 g) _____ o) _____
 h) _____ p) _____

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

Name: INTERNATIONAL BUSINESS
 MACHINES CORPORATION
 Address: New Orchard Road
 Armonk, NY 10504

More names attached? ___Y ___X N

More names attached? ___Y ___X N

3. Nature of Conveyance: x Assignment

4. Application number:

Filed with new application: X yes ___no

Filed: 101856391

Execution date(s):

a) May 28, 2004 _____ i) _____
 b) _____ j) _____
 c) _____ k) _____
 d) _____ l) _____
 e) _____ m) _____
 f) _____ n) _____
 g) _____ o) _____
 h) _____ p) _____

Additional numbers attached? ___Y ___X N

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

Name: John E. Campbell
 IBM Corporation
 Intellectual Property Law
 2455 South Road, P386
 Poughkeepsie, New York 12601

6. Total # of applications and patents involved: 01

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

8. Charge to Deposit Account
 09-0463 (IBM).

06/04/2004 ECOOPER 00000131 090463 10856391

01 FC:0021 40.00

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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.

Susan L. Nelson

Signature

Date

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

Express Mail Label No. ER803393657US

Docket No.: POU920040077US1

PATENT
 REEL: 015407 FRAME: 0001

A S S I G N M E N T

Whereas, I

Inventor (1) Peter F. Cipriano of 118 East Cookingham Dr. City of Staatsburg
County of Dutchess and State of NY 12580

have invented certain improvements in

MULTI-COLUMN MULTI-DATA TYPE INTERNATIONALIZED
SORT EXTENSION METHOD FOR WEB APPLICATIONS

and executed, respectively, a United States patent application therefore on

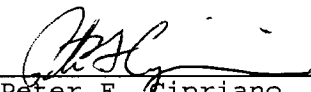
(1) 5-28-2004

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, and, 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 and Trademarks 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.

Signed

(1) at Poughkeepsie, NY
on 5-28-2004


Peter F. Cipriano