

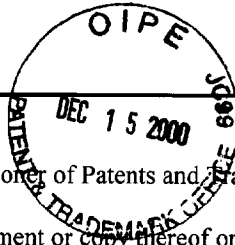
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PAT. APPLNS. & PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks, Wash., D.C. 20231

SIR: Please record the attached original document or copy thereof on which the particulars are:

1. Name of conveying party(ies) (assignor(s)):

David H. SCHNECK, Steve CHERRY, and David GOODMAN

Additional name(s) of conveying party(ies) attached? []yes [X]no

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Address: International Business Machines Corporation
Armonk, New York 10504

Country: U.S.

Additional name(s) & address(es) attached? []yes [X]no

3. Nature of Conveyance:

- Assignment Execution Date: December 4, 2000 and December 7, 2000, respectively.
- Merger Change of Name Verified Translation
- Security Agreement Other

4. Execution date(s) on the Declaration if filed herewith:

4.5 Application number(s) or patent number(s). Others on additional sheet(s) attached? []yes [X]no

A. Patent Application No(s). First Inventor
(series code/serial number) if not in Item 1

08/990,246

B. Patent No(s). First Inventor
if not in Item 1

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

James G. Gatto
Hunton & Williams
1900 K Street, N.W., Suite 1200
Washington, D.C. 20006-1109
(see telephone number below)

6. Number involved:
Applns. 1 + Pats: = Total 1

7. Amount of fee enclosed:
Above Total x \$40 = \$40.00

8. If above fee missing or inadequate charge insufficiency to Deposit Account number 50-0206 (duplicate sheet not required.)

5.5 Atty. Dkt.

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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.

Signature

10. Total number of pages including this cover sheet (Do NOT file dup. cover sheet)

6

Attorney: Raphael A. Valencia

Reg. No. 43,216

Date: December 15, 2000

Atty/Sec: RAV:vrp

Tel: 202-955-1500

Fax: 202-778-2201

ASSIGNMENT

WHEREAS, **David H. SCHNECK**, a citizen of the United States, residing at **7102 Woodview Way, Malvern, Pennsylvania 19355**; **Steve CHERRY**, a citizen of the United States, residing at **1812 Beacon Hill Drive, Dresher, Pennsylvania 19025**; and **David GOODMAN**, a citizen of the United Kingdom, residing at **131 Terregles Avenue, Glasgow G41 4DG United Kingdom** (hereinafter "Assignors"), have made an invention entitled

WEB INTERFACE AND METHOD FOR DISPLAYING DIRECTORY INFORMATION

described in the application for United States Letters Patent filed on December 15, 1997, which has been assigned Application Serial No. 08/990,246; and

WHEREAS, **International Business Machines Corporation** (hereinafter "Assignee"), a **New York** corporation having a place of business at **Armonk, New York 10504**, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes and divisions which may be granted therefor and all rights to claim priority on the basis of said application;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND WE HEREBY warrant and covenant that we have the full right to convey the entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said Assignee or its representatives any facts known to us respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

Signature of Inventor:
Inventor's Name:

David H. Schneek
David H. SCHNECK

Date of Execution:

12/4/2000

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

COUNTY OF Montgomery)
STATE OF Pennsylvania) ss:

On this 4th day of Dec., 2000, before me a Notary Public in and for the County and State aforesaid, personally appeared **David H. SCHNECK**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)

David R. Mowrer
Notary Public

My commission Expires: 1/27/03

NOTARIAL SEAL
DAVID R. MOWRER, Notary Public
Whitpain Twp., Montgomery County
Pa. Commission Expires Ser. 1-27-2003

Signature of Inventor:

Steve Cherry

Inventor's Name:

Steve CHERRY

Date of Execution:

12/7/00

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

COUNTY OF Bucks)
STATE OF PA) ss:

On this 7th day of December, 2000, before me a Notary Public in and for the County and State aforesaid, personally appeared **Steve CHERRY**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)

Mary Stinsman
Notary Public

My commission Expires: 12/9/02

Notarial Seal
Mary Stinsman, Notary Public
Bensalem Twp., Bucks County
My Commission Expires Dec. 9, 2002
Member, Pennsylvania Association of Notaries

Signature of Inventor:

Inventor's Name:

Date of Execution:

David Goodman
 David GOODMAN
7 December 2000

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

COUNTY OF GLASGOW)
) ss:
 STATE OF SCOTLAND)
UK

On this 7th day of December, 2000, before me a Notary Public in and for the County and State aforesaid, personally appeared **David GOODMAN**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)

Gillian M Sharp
 Notary Public

My commission Expires: N/A

SOLICITOR,
 22 LEONOCK ROAD,
 STEPPS,
 GLASGOW
 G33 6LU
 SCOTLAND,
 UK