

07-10-2003

Docket No.: END920030021US1

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
POBA/REV03



ET U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102493649

Tab settings

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

1. Name of conveying party(ies):

Francesco A. Campisano  
Dennis P. Cheney

6-26-03

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

Name: International Business Machines Corporation

Address: New Orchard Road

14772 U.S. PTO  
10/607529  
06/26/03

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 6/24/03, 6/24/03

City: Armonk State/Prov.: NY

Country: US ZIP: 10504

Additional name(s) & address(es)  Yes  No

4. Application number(s) or patent numbers(s):

10607529

If this document is being filed together with a new application, the execution date of the application is: 6/24/03

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers  Yes  No

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

Name: Ronald A. D'Alessandro

Registration No. 42,456

Address: Hoffman, Warnick & D'Alessandro LLC

Three E-Comm Square

City: Albany State/Prov.: NY

Country: US ZIP: 12207

6. Total number of applications and patents involved: 1

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

09-0457 (IBM)

(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 correct and any attached copy is a true copy of the original document.

William H. Steinberg - Reg. No. 28,540

Name of Person Signing

*William H. Steinberg*  
Signature

6/25/03  
Date

Total number of pages including cover sheet, attachments, and

3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT

REEL: 014241 FRAME: 0068

10607529  
090457  
07/09/2003 - MUELLER 00000936  
090457  
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**PATENT**  
DOCKET NO. END920030021US1

## PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"),  
Armonk, New York 10504**

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for **MPEG-2 DECODER, METHOD AND BUFFER SCHEME FOR PROVIDING ENHANCED  
TRICK MODE PLAYBACK OF A VIDEO STREAM**

United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number END920030021US1**;

(select one):  executed concurrently herewith or  Serial No. \_\_\_\_\_ Filed on \_\_\_\_\_

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

PATENT  
DOCKET NO. END920030021US1

Executed by Inventor 1 of 2

Signature: Francesco A. Campisano Date: 6/24/03  
(Francesco A. Campisano)

Executed by Inventor 2 of 2

Signature: Dennis P. Cheney Date: 6/24/03  
(Dennis P. Cheney)