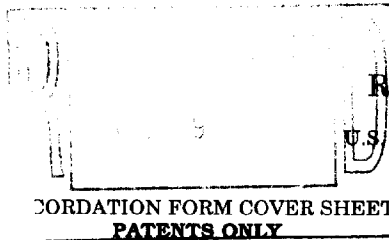


Serial Number 09/223,935

FORM PTO-159
9-21-95

08-12-1999



RCA 88646

U.S. DEPARTMENT OF COMMERCE
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1. Name of conveying party(ies):

DEBBIE INDIRA LEWIS
PRATISH RATILAL DESAI
ROBERT HOWARD MILLER

Additional name(s) of conveying party(ies) attached: Yes No **X**

3. Nature of conveyance:

Assignment **X** Merger
Security Agreement Change of Name
Other

Execution Date: 2/16/99, 7/9/99, and 2/19/99 respectively

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

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

A. Patent Application No.(s) 09/223,935

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

Name: **THOMSON CONSUMER ELECTRONICS, INC**
Internal Address:

Street Address: **10330 NORTH MERIDIAN STREET**

City: **INDIANAPOLIS** State: **INDIANA** Zip: **46290**

Additional name(s) & address(es) attached? Yes No **X**

Additional numbers attached? Yes No **X**

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

Name: **JOSEPH S. TRIPOLI**
Internal Address: **THOMSON MULTIMEDIA LICENSING, INC.**

Street Address: **2 INDEPENDENCE WAY**

City: **PRINCETON** State: **NEW JERSEY** Zip: **08543-5312**

6. Total number of applications and patents involved: **1**

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

Enclosed

X Authorized to be charged to deposit account

8. Deposit account number:
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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.

PAUL P. KIEL REG. NO 40,677

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Signature

8/4/99
Date

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08/11/1999 MCARTES 00000226 070832 09223935
01 FC:581 40.00 CH

PATENT
REEL: 010151 FRAME: 0354

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of three (3) joint inventors (if plural inventors are named below) of the inventions relating to **DIGITAL VIDEO APPARATUS USER INTERFACE** described in an application for Letters Patent of the United States of America filed on 12/31/98 under Serial No. 09/223,935 or, if not identified here by filing date and serial number, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to THOMSON CONSUMER ELECTRONICS, INC. a corporation duly organized and existing under the laws of the State of Delaware, United States of America, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with THOMSON CONSUMER ELECTRONICS, INC., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at <u>Norcross, GA</u>		Date <u>02/16/99</u>
Inventor (1) <u>Debbie Indira Lewis</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address <u>615 Ivy Chase Lane, Norcross, GA 30092</u>		
1st Witness <u>Larry DeVise</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
2nd Witness <u>TRACY B. BAKER</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)	
Signed at _____		Date _____
Inventor (2) <u>Pratish Ratilal Desai</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address <u>3775 Flora Vista Avenue, Santa Clara, CA 95051</u>		
1st Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)	
2nd Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)	
Signed at _____		Date _____
Inventor (3) <u>Robert Howard Miller</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address <u>2900 W. 93rd Street, Leawood, KS 66206-1811</u>		
1st Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)	
2nd Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)	

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P.O. Box 5312
Princeton, NJ 08543-5312

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1st Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)
2nd Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)
Signed at <u>Mountain View, California</u>	Date <u>7/9/99</u>
Inventor (2) <u>Pratish Ratilal Desai</u> (Type or Print)	<u>Pratish Ratilal Desai</u> (Signature in Full. No initials.)
Post Office Address <u>34778 Comstock Common, Fremont, CA 94555</u>	
1st Witness <u>David Lynch</u> (Type or Print)	<u>David Lynch</u> (Signature in Full. No initials.)
2nd Witness <u>Eric R. Smith</u> (Type or Print)	<u>Eric R. Smith</u> (Signature in Full. No initials.)
Signed at _____	Date _____
Inventor (3) <u>Robert Howard Miller</u> (Type or Print)	_____ (Signature in Full. No initials.)
Post Office Address <u>2900 W. 93rd Street, Leawood, KS 66206-1811</u>	
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2nd Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)

Signed at _____	Date _____
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Post Office Address <u>3775 Flora Vista Avenue, Santa Clara, CA 95051</u>	
1st Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)
2nd Witness _____ (Type or Print)	_____ (Signature in Full. No initials.)

Signed at <u>2 Kansas City MO</u>	Date <u>2-19-99</u>
Inventor (3) <u>Robert Howard Miller</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)
Post Office Address <u>2900 W. 93rd Street, Leawood, KS 66206-1811</u>	
1st Witness <u>Patricia Noband Crowley</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)
2nd Witness <u>MAURICE ALFRED JEFFERY</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Debbie Indira Lewis, et al.
Serial No. : 09/223,935
Filed : 12/31/98
For : DIGITAL VIDEO APPARATUS USER INTERFACE

TRANSMITTAL OF ASSIGNMENT

BOX ASSIGNMENT


Hon. Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the enclosed Assignment.

Please charge the forty (\$40.00) fee for recording the accompanying Assignment to Deposit Account 07-0832. A duplicate copy of this letter and Recordation Cover Form PTO 1595 are enclosed for use in charging the deposit account.

Respectfully submitted,
Debbie Indira Lewis, et al.

By 

Paul P. Kiel
Attorney for Applicants
Reg. No. 40,677
(609) 734-9650

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P.O. Box 5312
Princeton, NJ 08543-5312

Date: 8/4/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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