

611-99

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FORM PTO-1595  
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1. Name of conveying party(ies):  
**Mark Alan Schultz, Donald Henry Willis,  
Jianlei Xie, John Alan Hague, Steven Anthony Barron  
and Barth Alan Canfield**

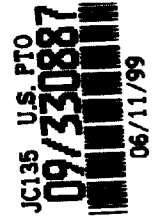
Additional name(s) of conveying party(ies) attached:  No

2. Name and address of receiving party(ies):  
Name: **Thomson Consumer Electronics, Inc.**

Street Address: **10330 North Meridian Street**

City: **Indianapolis** State: **Indiana** Zip: **46290-1024**

Additional name(s) & address(es) attached?  No



3. Nature of convenience:  
 Assignment Merger  
 Security Agreement Change of Name  
 Other \_\_\_\_\_

Execution Date: **May 11, 1999 and May 17, 1999**  
**respectively**

4. Application number(s) or patent number(s): Serial No.  
If this document is being filed together with a new application, the execution date of the application is: **May 11, 1999 and May 17, 1999**  
**respectively**

A. Patent Application No.(s) ----  
**69330887**  
Additional numbers attached?

B. Patent No.(s) ----  
  
X No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **JOSEPH S. TRIPOLI**  
Internal Address: **PATENT OPERATIONS  
THOMSON multimedia Licensing Inc.**

Street Address: **PO Box 5312**

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  
 Authorized to be charged to deposit account ✓

8. Deposit account number:  
**07-0832** ✓

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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.*

Alexander J. Burke  
Name of Person Signing

Alexander Burke  
Signature - Reg. No. 40,425

11 June 1999  
Date

Total number of pages comprising cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

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06/22/1999 DNGUYEN 00000258 070832 09330887  
01 FC:581 40.00 CH

**PATENT  
REEL: 010032 FRAME: 0480**

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 6 joint inventors (if plural inventors are named below) of the inventions relating to DIGITAL VIDEO PICTURE AND ANCILLARY DATA PROCESSING AND STORAGE

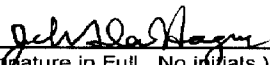
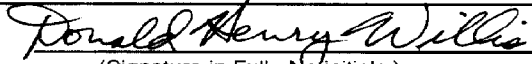
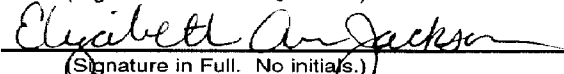
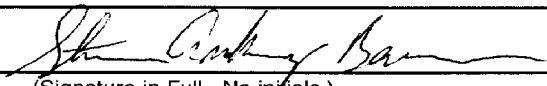
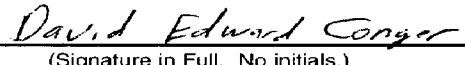
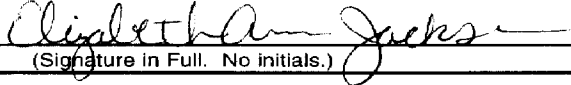

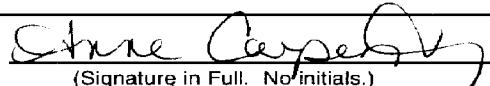
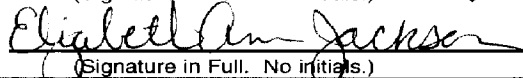
described in an application for Letters Patent of the United States of America filed on Herewith under Serial No. or, if not identified here by filing date and serial number, executed by me on even date with my execution of this

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 an 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.

Form with three inventor sections. Each section includes: Signed at, Date, Inventor (Type or Print), Signature, Post Office Address, 1st Witness, and 2nd Witness. Inventor 1: Mark Alan Schultz, 4437 SOMERSET WAY SOUTH, CARMEL, INDIANA 46033. Inventor 2: DONALD HENRY WILLIS, 5175 EAST 74TH PLACE, Indianapolis, Indiana 46250. Inventor 3: Jianlei Xie, 11852 Stoney Bay Circle, Carmel, Indiana 46033.

After this Assignment has been recorded please RETURN to: Patent Operations Thomson Multimedia Licensing Inc. Box 5312 Princeton, NJ 08543-5312

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

Signed at <u>Indianapolis, Indiana</u>	Date <u>May 11, 1999</u>
Inventor (4) <u>John Alan Hague</u> (Type or Print)	 (Signature in Full. No initials.)
Post Office Address <u>5770 Broadway Street, Indianapolis, Indiana 46220</u>	
1st Witness <u>Donald Henry Willis</u> (Type or Print)	 (Signature in Full. No initials.)
2nd Witness <u>Elizabeth Ann Jackson</u> (Type or Print)	 (Signature in Full. No initials.)
Signed at <u>Indianapolis, Indiana</u>	Date _____
Inventor (5) <u>Steven Anthony Barron</u> (Type or Print)	 (Signature in Full. No initials.)
Post Office Address <u>13023 Lockburn Place, Fishers, Indiana 46038</u>	
1st Witness <u>David Edward Conger</u> (Type or Print)	 (Signature in Full. No initials.)
2nd Witness <u>Elizabeth Ann Jackson</u> (Type or Print)	 (Signature in Full. No initials.)
Signed at <u>Indianapolis, Indiana</u>	Date <u>11 May 99</u>
Inventor (6) <u>Barth Alan Canfield</u> (Type or Print)	 (Signature in Full. No initials.)
Post Office Address <u>10421 Indiana Lake Boulevard North, Indianapolis, Indiana 46236</u>	
1st Witness <u>Anne Carpenter</u> (Type or Print)	 (Signature in Full. No initials.)
2nd Witness <u>Elizabeth Ann Jackson</u> (Type or Print)	 (Signature in Full. No initials.)