

04-06-1998

CA 88011

08/06/98

FORM PTO-1595
9-21-95

100675244

N FORM COVER SHEET

88 Rec'd PCT/PTO 57 JUL 1998

PATENTS ONLY

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

JOSEPH CRAIG ENGLE; ROBERT HAROLD METCALFE;
SUNG JO KIM; JESSE EDWARD HERZBERG; HANS-JOACHIM PLATTE

2. Name and address of receiving party(ies)

Name THOMSON CONSUMER ELECTRONICS, INC.
Internal Address:

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

1-7-98

Street Address: 10330 North Meridian Street

3. Nature of conveyance:

Assignment X Merger
Security Agreement Change of Name
Other

City Indianapolis

State: Indiana

Zip: 46290

Execution Date: July 23, 1996 and August 1, 1996

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

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: November 11, 12, 03, 1997

A. Patent Application No.(s) DE 19525226.8

US 60/009329

PCT/US 96/11369

B. Patent No.:

Additional numbers attached? Yes No X

08981837

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

Name: JOSEPH S. TRIPOLI
Internal Address: PATENT OPERATIONS-GE AND RCA
LICENSING MANAGEMENT OPERATION, 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

X Authorized to be charged to deposit account

8. Deposit account number:

07-0832

DO NOT USE THIS SPACE

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.

FRANCIS A. DAVENPORT
Name of Person SigningFrancis A. Davenport
SignatureJanuary 7, 1998
Date

Total number of pages including cover sheet, attachments, and document: 5

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

DO NOT DETACH THIS PORTION

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT

REEL: 9058 FRAME: 0555

ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 3 joint inventors (if plural inventors are named below) of the inventions relating to

VIDEO REPLAY AUTOMATION

and described in RCA Docket No. 88011 and the thereupon-based International (Patent Cooperation Treaty) Application for patent about to be filed or lately filed by said corporation naming me/us as inventor(s).

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 application, and all the rights and privileges under any and all Patents 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>Indianapolis</u>	Date	<u>10-13-1976</u>
Inventor (1)	<u>JOSEPH CRAIG ENGLE</u> (Type or Print)	<u>Joseph Craig Engle</u> (Signature in Full. No initials.)	
Post Office Address	<u>7654 Winding Way, Indianapolis, Indiana, 46038 U.S.A.</u>		
1st Witness	<u>Ethel Ann Galt</u> (Type or Print)	<u>Ethel Ann Galt</u> (Signature in Full. No initials.)	
2nd Witness	<u>DEBBIE ANN GIBBS</u> (Type or Print)	<u>Debbie Ann Gibbs</u> (Signature in Full. No initials.)	
Signed at	<u>Indianapolis, IN</u>	Date	<u>10-13-1976</u>
Inventor (2)	<u>ROBERT HAROLD METCALFE</u> (Type or Print)	<u>Robert Harold Metcalfe</u> (Signature in Full. No initials.)	
Post Office Address	<u>2402 TRAVEN GREEN RD, IN 46193</u> <u>Rural No. 1, Box 24, Bloomfield, Indiana 47424 U.S.A.</u>		
1st Witness	<u>Ethel Ann Galt</u> (Type or Print)	<u>Ethel Ann Galt</u> (Signature in Full. No initials.)	
2nd Witness	<u>DEBBIE ANN GIBBS</u> (Type or Print)	<u>Debbie Ann Gibbs</u> (Signature in Full. No initials.)	
Signed at	<u>Indianapolis</u>	Date	<u>10-13-1976</u>
Inventor (3)	<u>SUNG JO KIM</u> (Type or Print)	<u>Sung Jo Kim</u> (Signature in Full. No initials.)	
Post Office Address	<u>3570 Lakespur Lane, Carmel, Indiana 46032 U.S.A.</u>		
1st Witness	<u>Ethel Ann Galt</u> (Type or Print)	<u>Ethel Ann Galt</u> (Signature in Full. No initials.)	
2nd Witness	<u>DEBBIE ANN GIBBS</u> (Type or Print)	<u>Debbie Ann Gibbs</u> (Signature in Full. No initials.)	

Signed at	<u>INDIANAPOLIS IN.</u>	Date	<u>JULY 23 1996</u>
Inventor (4)	<u>JESSE EDWARD HERZBERG</u> (Type or Print)	<u>Jesse Edward Herzberg</u> (Signature in Full. No initials.)	
Post Office Address	<u>901 234 GOLDENROD DR. INDIANAPOLIS INDIANA 46219 USA</u> <u>1255 North Shortridge Road, Indianapolis, Indiana 46219 U.S.A.</u>		
1st Witness	<u>Ethel LEE Gaines</u> (Type or Print)	<u>Ethel Lee Gaines</u> (Signature in Full. No initials.)	
2nd Witness	<u>DEBBIE ANN GIBBS</u> (Type or Print)	<u>Debbie Ann Gibbs</u> (Signature in Full. No initials.)	

Signed at		Date	
Inventor (5)	<u>HANS-JOACHIM PLATTE</u> (Type or Print)		
Post Office Address	<u>Konigsborger Weg 22, D-3305 Hemmingen 4, Germany</u>		
1st Witness			
2nd Witness			

Pat Form 9/93

ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 3 joint inventors (if plural inventors are named below) of the inventions relating to

VIDEO REPLAY AUTOMATION

and described in RCA Docket No 88011 and the thereupon-based International (Patent Cooperation Treaty) Application for patent about to be filed or lately filed by said corporation naming me/us as inventor(s).

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 application, and all the rights and privileges under any and all Patents 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		Date	
Inventor (1)	<u>JOSEPH CRAIG ENGLE</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>7654 Winding Way, Indianapolis, Indiana 46038 U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness			(Signature in Full. No initials.)
	(Type or Print)		
Signed at		Date	
Inventor (2)	<u>ROBERT HAROLD METCALFE</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>Rural No. 1, Box 24, Bloomfield, Indiana 47424 U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness			(Signature in Full. No initials.)
	(Type or Print)		
Signed at		Date	
Inventor (3)	<u>SUNG JO KIM</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>3570 Lakespur Lane, Carmel, Indiana 46032 U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness			(Signature in Full. No initials.)
	(Type or Print)		

Signed at		Date	
Inventor (4)	<u>JESSE EDWARD HERZBERG</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>1255 North Shortridge Road, Indianapolis, Indiana 46219 U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
2nd Witness			(Signature in Full. No initials.)
Signed at	<u>Hannover</u>	Date	<u>August 1st, 1996</u>
Inventor (5)	<u>HANS-JOACHIM PLATTE</u> (Type or Print)		<u>H. Joachim Platte</u> (Signature in Full. No initials.)
Post Office Address	<u>Königsberger Weg 22, D-30966 Hemmingen, Germany</u>		
1st Witness	<u>ELISABETH NILSSON</u> (Type or Print)		<u>Elisabeth Nilsson</u> (Signature in Full. No initials.)
2nd Witness	<u>MICHAEL ZAWADZKI</u> (Type or Print)		<u>Michael Zawadzki</u> (Signature in Full. No initials.)

Pat Form 9/93