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

1. Name of conveying party(ies): <b>AHMET MURSIT ESKICIOGLU, BILLY WESLEY BEYERS JR., IZZAT HEKMAT IZZAT, EDWIN ARTURO HEREDIA YOUSEF WASEF NIJIM</b> Additional name(s) of conveying party(ies) attached: Yes No <b>X</b>		2. Name and address of receiving party(ies): Name: THOMSON Licensing S.A. Internal Address: 46 Quai A. Le Gallo F-92648 Boulogne Cdex, France Street Address: City: State: Zip:	
3. Nature of conveyance: Assignment <b>X</b> Merger Security Agreement Change of Name Other Execution Date: January 30, February 8, January 25, March 6, January 25, 2001		Additional name(s) & address(es) attached? Yes No <b>X</b>	
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) <u>US 09/743,653</u> Additional numbers attached? Yes No <b>X</b>		B. Patent No.(s)	
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: <u>1</u> 7. Total Fee (37 CFR 3.41): <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> 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.*

DAVID T. SHONEMAN  
Name of Person Signing

  
Signature

14 MAR 2001  
Date

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ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 5 joint inventors (if plural inventors are named below) of the inventions relating to

A CONDITIONAL ACCESS SYSTEM FOR BROADCAST DIGITAL TELEVISION and described in RCA Docket No 89131 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 LICENSING S.A., a corporation duly organized and existing under the laws of the country of France, 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 LICENSING S.A., 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, IN</u>	Date	<u>1/30/01</u>
Inventor (1)	<u>AHMET MURSIK ESKICIOGLU</u> (Type or Print)		<u>Ahmet Mursit Eskicioğlu</u> (Signature in Full. No initials.)
Post Office Address	<u>8235 Lakeshore Trail Apt. 125, Indianapolis, Indiana 46250 USA</u>		
1st Witness	<u>Charse Antoinette Downs</u> (Type or Print)		<u>Charse Antoinette Downs</u> (Signature in Full. No initials.)
2nd Witness	<u>Robert Douglas Kieffner</u> (Type or Print)		<u>Robert Douglas Kieffner</u> (Signature in Full. No initials.)
Signed at	<u>Princeton NJ</u>	Date	<u>Feb 8 2001</u>
Inventor (2)	<u>Billy</u> <u>WILLIAM WESLEY BEYERS</u> (Type or Print)		<u>Billy Wesley Beyers</u> (Signature in Full. No initials.)
Post Office Address	<u>1075 Arrow Wood Drive, Carmel, Indiana 46032 USA</u>		
1st Witness	<u>KUMAR RAMASWAMY</u> (Type or Print)		<u>Kumar Ramaswamy</u> (Signature in Full. No initials.)
2nd Witness	<u>Letellier Philippe</u> (Type or Print)		<u>Philippe Letellier</u> (Signature in Full. No initials.)
Signed at	<u>Indianapolis</u>	Date	<u>1/25/01</u>
Inventor (3)	<u>IZZAT HEKMAT IZZAT</u> (Type or Print)		<u>Izzat Izzat</u> (Signature in Full. No initials.)
Post Office Address	<u>2249-6 East 151<sup>st</sup> Street, Carmel, Indiana 46033 USA</u>		
1st Witness	<u>Charse Antoinette Downs</u> (Type or Print)		<u>Charse Antoinette Downs</u> (Signature in Full. No initials.)
2nd Witness	<u>Shelara Monique Dauss</u> (Type or Print)		<u>Shelara Monique Dauss</u> (Signature in Full. No initials.)

Signed at	_____	Date	_____
Inventor (4)	<u>EDWIN ARTURO HEREDIA</u> (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	<u>1700 North First Street #235, San Jose, California 95112 USA</u>		
1st Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
2nd Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
X Signed at	<u>Indianapolis, IN</u>	Date	<u>01/25/01</u>
Inventor (5)	<u>YOUSEF WASEF NIJIM</u> (Type or Print)		<u><i>Yousef Wasef Nijim</i></u> (Signature in Full. No initials.)
Post Office Address	<u>5808 Tanager Lane, Carmel, Indiana 46033 USA</u>		
X 1st Witness	<u><i>Chalisa Antoinette Dauss</i></u> (Type or Print)		<u><i>Chalisa Antoinette Dauss</i></u> (Signature in Full. No initials.)
X 2nd Witness	<u><i>Shalana Monique Dauss</i></u> (Type or Print)		<u><i>Shalana Monique Dauss</i></u> (Signature in Full. No initials.)
Signed at	_____	Date	_____
Inventor (6)	_____ (Type or Print)		_____ (Signature in Full. No initials.)
Post Office Address	_____		
1st Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)
2nd Witness	_____ (Type or Print)		_____ (Signature in Full. No initials.)

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 PO Box 5312  
 Princeton, NJ 08543-5312

ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of (if plural inventors are named below) of the inventions relating to 5 joint inventors

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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.

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Form with signature lines for Inventor (1) AHMET MURSIT ESKICIOGLU, Inventor (2) WILLIAM WESLEY BEYERS, and Inventor (3) IZZAT HEKMAT IZZAT, including Post Office Address and Witness fields.

Signed at	<u>San Jose, California</u>	Date	<u>March 6, 2001</u>
Inventor (4)	<u>EDWIN ARTURO HEREDIA</u> (Type or Print)	<u>Edwin Arturo Heredia</u> (Signature in Full. No initials.)	
Post Office Address	<u>1409 Whitewood Ct., San Jose, CA 95131, USA E.H.</u> <del>1700 North First Street #235, San Jose, California 95112 USA</del>		
1st Witness	<u>Dianne P. Wiklander</u> (Type or Print)	<u>Dianne Peterson Wiklander</u> (Signature in Full. No initials.)	
2nd Witness	<u>Sandra S. Lee</u> (Type or Print)	<u>Sandra S. Lee</u> (Signature in Full. No initials.)	
Signed at		Date	
Inventor (5)	<u>YOUSEF WASEF NIJIM</u> (Type or Print)		 (Signature in Full. No initials.)
Post Office Address	<u>5808 Tanager Lane, Carmel, Indiana 46033 USA</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 (6)	 (Type or Print)		 (Signature in Full. No initials.)
Post Office Address	 		
1st Witness	 (Type or Print)		 (Signature in Full. No initials.)
2nd Witness	 (Type or Print)		 (Signature in Full. No initials.)

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