

PU020044

FORM PTO-1595
9-21-95

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

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

1. Name of conveying party(ies): PAUL GOTHARD KNUTSON KUMAR RAMASWAMY MAX WARD MUTERSPAUGH Additional name(s) of conveying party(ies) attached: Yes No X	2. Name and address of receiving party(ies): Name: THOMSON LICENSING S.A. Internal Address: Street Address: 46 QUAI A. LE GALLO F-92100 BOULOGNE BILLANCOURT, FRANCE
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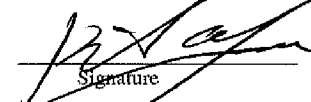
3. Nature of conveyance: Assignment X Merger Security Agreement Change of Name Other _____ Execution April 5, 2002, April 5, 2002, and April 8, 2002, respectively	City: State: Zip: Additional name(s) & address(es) attached? Yes No X
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4. Application 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): 10/083,865 Additional numbers attached? Yes No X	B. Patent No.(s) Additional numbers attached? Yes No X
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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: <u>1</u> 7. Total Fee (37 CFR 3.41): \$ 40.00 _____ Enclosed X Authorized to be charged to deposit account 8. Deposit account number: 07-0832
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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.

Kuniyuki Akiyama Reg. 43,314
 Name of Person Signing  **May 21, 2002**
 Signature Date

Total number of pages including cover sheet, attachments, and document: 3

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

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PU020044

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:

SATELLITE TELEVISION SYSTEM GROUND STATION HAVING WIDEBAND MULTI-CHANNEL LNB CONVERTER/TRANSMITTER ARCHITECTURE UTILIZING A FREQUENCY STABILIZED COMMON OSCILLATOR

described in an application for Letters Patent of the United States of America filed on February 26, 2002 under Serial No. 10/083,865 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 LICENSING S.A., a corporation duly organized and existing under the laws of France, 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 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>Princeton, NJ</u>	Date	
Inventor (1)	<u>Paul Gothard Knutson</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>5 Huron Way, Lawrenceville, New Jersey 08648, U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
2nd Witness			(Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	
Inventor (2)	<u>Kumar Ramaswamy</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>7701 Tamarron Drive, Plainsboro, New Jersey 08648, U.S.A.</u>		
1st Witness			(Signature in Full. No initials.)
2nd Witness			(Signature in Full. No initials.)
Signed at	<u>Indianapolis, IN</u>	Date	<u>April 8, 2002</u>
Inventor (3)	<u>Max Ward Muterspaugh</u> (Type or Print)		<u>Max Ward Muterspaugh</u> (Signature in Full. No initials.)
Post Office Address	<u>7353 North Layman Ave., Indianapolis, Indiana 46250, U.S.A.</u>		
1st Witness	<u>Chansu Antonette Downs</u> (Type or Print)		<u>Chansu Antonette Downs</u> (Signature in Full. No initials.)
2nd Witness	<u>Elizabeth Ann Jackson</u> (Type or Print)		<u>Elizabeth Ann Jackson</u> (Signature in Full. No initials.)

After this Assignment has been recorded please RETURN to:

Patent Operations
THOMSON multimedia Licensing, Inc.
P.O. Box 5312
Princeton, NJ 08543-5312

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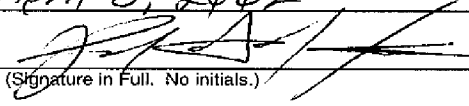
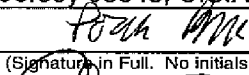
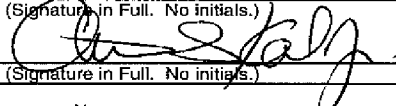
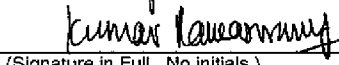
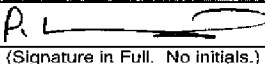

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Signed at	<u>Princeton, NJ</u>	Date	<u>April 5, 2002</u>
Inventor (1)	<u>Paul Gothard Knutson</u> (Type or Print)		 (Signature in Full. No initials.)
Post Office Address	<u>5 Huron Way, Lawrenceville, New Jersey 08648, U.S.A.</u>		
1st Witness	<u>Louis Litwin</u> (Type or Print)		 (Signature in Full. No initials.)
2nd Witness	<u>Alton Keel</u> (Type or Print)		 (Signature in Full. No initials.)
Signed at	<u>Princeton, NJ</u>	Date	<u>5th April 2002</u>
Inventor (2)	<u>Kumar Ramaswamy</u> (Type or Print)		 (Signature in Full. No initials.)
Post Office Address	<u>7701 Tamarron Drive, Plainsboro, New Jersey 08648, U.S.A.</u>		
1st Witness	<u>Pearline Mooring</u> (Type or Print)		 (Signature in Full. No initials.)
2nd Witness	<u>Jens Cahnstey</u> (Type or Print)		 (Signature in Full. No initials.)
Signed at	<u>Indianapolis, IN</u>	Date	
Inventor (3)	<u>Max Ward Muterspaugh</u> (Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>7353 North Layman Ave., Indianapolis, Indiana 46250, U.S.A.</u>		
1st Witness	(Type or Print)		(Signature in Full. No initials.)
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