

PU020423

FORM PTO-1595
9-21-95U.S. DEPARTMENT OF COMMERCE
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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

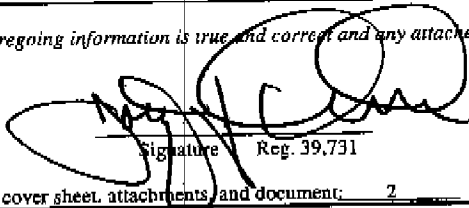
1. Name of conveying party(ies): DONG-CHANG SHIUE DAVID EMERY VIRAG		2. Name and address of receiving party(ies): Name: THOMSON LICENSING S.A. Internal Address:	
Additional name(s) of conveying party(ies) attached: Yes No X		Street Address: 46, Quai A. Le Gallo 92648 Boulogne Cedex, France	
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other		City: State: Zip:	
Execution Date: September 11, 2003 and August 28, 2003		Yes No X	
4. Application number(s) or patent number(s): 10/372,623 If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No.(s)		B. Patent No.(s)	
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.		6. Total number of applications and patents involved: 1	
Street Address: 2 Independence Way		7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account	
City: PRINCETON State: NEW JERSEY Zip: 08543-5312		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.

Joseph J. Kolodka

Name of Person Signing



Signature Reg. 39.731

9-28-03
DateTotal number of pages including cover sheet, attachments and document: **2**

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

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

Assistant Commissioner for Patents
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PATENT
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CH \$40.00 070832 10372623

Docket No. PU020423

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 TWO(2) joint inventors
(if plural inventors are named below) of the inventions relating to CORRELATION DETECTION IMPROVEMENT BY AVERAGING

SPECTRUM SIGNALS
described in an application for Letters Patent of the United States of America filed on February 24, 2003 under Serial No. 10/372,263
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 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, renewals 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, INDIANA USA</u>	Date	<u>Sept. 11, 2003</u>
Inventor (1)	<u>DONG-CHANG SHIUE</u> (Type or Print)	<u>+ Dong-Chang Shiue</u> (Signature in Full. No Initials.)	
Post Office Address	<u>3772 BRIDGE DRIVE NORTH, (HAMILTON COUNTY), CARMEL, INDIANA 46033</u> <u>USA</u>		
1st Witness	<u>Elizabeth Ann Bishop</u> (Type or Print)	<u>Elizabeth Ann Bishop</u> (Signature in Full. No Initials.)	
2nd Witness	<u>SUSAN Marie Schneider</u> (Type or Print)	<u>Susan Marie Schneider</u> (Signature in Full. No Initials.)	
Signed at	<u>INDIANAPOLIS, INDIANA USA</u>	Date	<u>8-28-03</u>
Inventor (2)	<u>DAVID EMERY VIRAG</u> (Type or Print)	<u>David Emery Virag</u> (Signature in Full. No Initials.)	
Post Office Address	<u>7485 CHERRY HILL DRIVE, (MARION COUNTY), INDIANAPOLIS, INDIANA 4624</u> <u>USA</u>		
1st Witness	<u>SUSAN Marie Schneider</u> (Type or Print)	<u>Susan Marie Schneider</u> (Signature in Full. No Initials.)	
2nd Witness	<u>Elizabeth Ann Bishop</u> (Type or Print)	<u>Elizabeth Ann Bishop</u> (Signature in Full. No Initials.)	
Signed at	_____	Date	_____
Inventor (3)	_____ (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.)	

After this Assignment has been recorded please RETURN to:

Patent Operations
THOMSON multimedia Licensing Inc.

RECORDED: 09/26/2003

PATENT
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*** TOTAL PAGE: 02 ***