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PCA 90044

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



To the Honorable Assistant Commis

1. Name of conveying party(ies):
**DINAKARAN CHIDAMBARAM
GUENTER ANTON GRIMM**

102472109

5-21-03

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

3. Nature of conveyance:
Assignment Merger
Security Agreement Change of Name
Other

Execution Date January 19 and 18, 2001, respectively

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) PCT/US00/27149
PCT/US00/33534

~~32103~~

Additional numbers attached? Yes No X

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Documents or copy thereof.

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Name: THOMSON Licensing S.A.
Internal Address: 46 Quai A. Le Gallo
F-92100 Boulogne-Billancourt France

And
Name: DEUTSCHE THOMSON-BRANDT GmbH
Internal Address: Hermann-Schwer-Strasse 3

City: Villingen-Schwenningen Country: Germany Zip: D-78048

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

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
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8. Deposit account number:
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JEFFREY M. NAVON
Name of Person Signing

Signature

March 21, 2003
Date

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PATENT
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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 2 joint inventors (if plural inventors are named below) of the inventions relating to A METHOD AND SYSTEM FOR BUFFERING PIXEL REPRESENTATIVE DATA

and described in RCA Docket No 90044 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 France, its successors, and assigns and DEUTSCHE THOMSON-BRANDT GmbH, a corporation duly organized and existing under the laws of Germany, 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 corporations but at their 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 corporations, their successors, assigns or nominees.

I agree that I will communicate to said corporations or their representatives any facts known to me respecting said inventions and when requested by said corporations and at their expense will testify in any legal proceedings, and generally do everything possible to aid said corporations, their 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 corporations, their successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own names, 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 corporations or their 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. and DEUTSCHE THOMSON-BRANDT GmbH, their 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 signature fields for Inventor (1) Dinakaran Chidambaram, Inventor (2) Guenter Anton Grimm, and Inventor (3). Includes witness signatures for Gregory G. Tamer and David L. Albean.

(PCT Priority Application)

FCA 90044

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I agree that, when requested, I will, without charge to said corporations but at their 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 corporations, their successors, assigns or nominees.

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I authorize and empower said corporations, their successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own names, 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.

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Signed at	<u>Indianapolis, Indiana, USA</u>	Date	
Inventor (1)	<u>Dinakaran Chidambaram</u> (Type or Print)		(Signature in Full, No Initials.)
Post Office Address	<u>101 West 103rd Street, Indianapolis, Indiana 46290 U.S.A.</u>		
1st Witness			(Signature in Full, No Initials.)
2nd Witness			(Signature in Full, No Initials.)
Signed at	<u>Deisslingen, Germany</u>	Date	<u>01/18/2001</u>
Inventor (2)	<u>Guenter Anton Grimm</u> (Type or Print)		<u>X Guenter Anton Grimm</u> (Signature in Full, No Initials.)
Post Office Address	<u>Lochenstr. 1., 78652 Deisslingen, Germany</u>		
1st Witness	<u>Wolfgang Endress</u> (Type or Print)		<u>Wolfgang Endress</u> (Signature in Full, No Initials.)
2nd Witness	<u>CARLOS CORREA</u> (Type or Print)		<u>Carlos Correa</u> (Signature in Full, No Initials.)
Signed at		Date	
Inventor (3)			(Signature in Full, No Initials.)
Post Office Address			
1st Witness			(Signature in Full, No Initials.)
2nd Witness			(Signature in Full, No Initials.)

PATENT