

A/D 581-20

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03-26-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



COVER SHEET

Y

or copy thereof.

102031558

To the Honorable Assistant Commissioner for

1. Name of conveying party(ies):
**Gene Harlow Johnson, Matthew Thomas Mayer
Scott Edward Klopfenstein, Aaron Hal Dinwiddie**

2. Name and address of receiving party(ies):
Name: THOMSON Licensing S.A.
Internal Address: 46 Quai A. Le Gallo
F-92100 Boulogne-Billancourt France

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

01/15/02

Street Address:

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

City: State: Zip:

Execution Date: 18 August, 27, 31 July and 8 August, 2000 respectively

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:

A. Patent Application No.(s) US 60/144,654
PCT/US00/17374

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: PATENT OPERATIONS-
THOMSON MULTIMEDIA LICENSING INC.

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

Street Address: PO Box 5312

City: PRINCETON State: NEW JERSEY Zip :08543-5312

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
Name of Person Signing

[Signature]
Signature

Jan. 15, 2002
Date

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

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

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

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PATENT
REEL: 012705 FRAME: 0140

ASSIGNMENT AND AGREEMENT

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of four (4) joint inventors (if plural inventors are named below) of the inventions relating to **METHOD AND APPARATUS FOR PERFORMING A CHANNEL SEARCH IN A TELEVISION** described in RCA Docket No. 89650 and 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 my entire right, title and interest, for all countries in and to said inventions and applications, 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>3 Indianapolis, Indiana</u> | Date | <u>4 August 18, 2000</u> |
| Inventor (1) | <u>Gene Harlow Johnson</u> (Type or Print) | | <u>5 Gene Harlow Johnson</u> (Signature in Full. No initials.) |
| Post Office Address | <u>14370 Whisper Wind Drive, Carmel, Indiana 46250-4607, USA</u> | | |
| 1st Witness | <u>6 Elizabeth Ann Jackson</u> (Type or Print) | | <u>7 Elizabeth Ann Jackson</u> (Signature in Full. No initials.) |
| 2nd Witness | <u>8 Charise Antoinette Downs</u> (Type or Print) | | <u>Charise Antoinette Downs</u> (Signature in Full. No initials.) |
| Signed at | _____ | Date | _____ |
| Inventor (2) | <u>Matthew Thomas Mayer</u> (Type or Print) | | _____ (Signature in Full. No initials.) |
| Post Office Address | <u>9340A Kungshold Drive, Indianapolis, Indiana 46250, 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 (3) | <u>Scott Edward Klopfenstein</u> (Type or Print) | | _____ (Signature in Full. No initials.) |
| Post Office Address | <u>9304-F Viking Hills Court, Indianapolis, Indiana 46250, USA</u> | | |
| 1st Witness | _____ (Type or Print) | | _____ (Signature in Full. No initials.) |
| 2nd Witness | _____ (Type or Print) | | _____ (Signature in Full. No initials.) |

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| Inventor (1) | <u>Gene Harlow Johnson</u> (Type or Print) | | _____ (Signature in Full. No initials.) |
| Post Office Address | <u>14370 Whisper Wind Drive, Carmel, Indiana 46250-4607, USA</u> | | |
| 1st Witness | _____ | | _____ (Signature in Full. No initials.) |
| 2nd Witness | _____ | | _____ (Signature in Full. No initials.) |
| Signed at | <u>3 Indianapolis, Indiana</u> | Date | <u>4 7-27-00</u> |
| Inventor (2) | <u>Matthew Thomas Mayer</u> (Type or Print) | | <u>5 [Signature]</u> (Signature in Full. No initials.) |
| Post Office Address | <u>9340A Kungshold Drive, Indianapolis, Indiana 46250, USA</u> | | |
| 1st Witness | <u>6 Charles William Worrell</u> (Type or Print) | | <u>7 [Signature]</u> (Signature in Full. No initials.) |
| 2nd Witness | <u>8 Thomas Patrick Newsberry</u> (Type or Print) | | <u>9 [Signature]</u> (Signature in Full. No initials.) |
| Signed at | _____ | Date | _____ |
| Inventor (3) | <u>Scott Edward Klopfenstein</u> (Type or Print) | | _____ (Signature in Full. No initials.) |
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| Post Office Address | <u>14370 Whisper Wind Drive, Carmel, Indiana 46250-4607, USA</u> | | |
| 1st Witness | _____ | | _____ (Signature in Full. No initials.) |
| 2nd Witness | _____ | | _____ (Signature in Full. No initials.) |
| Signed at | _____ | Date | _____ |
| Inventor (2) | <u>Matthew Thomas Mayer</u> (Type or Print) | | _____ (Signature in Full. No initials.) |
| Post Office Address | <u>9340A Kungshold Drive, Indianapolis, Indiana 46250, USA</u> | | |
| 1st Witness | _____ | | _____ (Signature in Full. No initials.) |
| 2nd Witness | _____ | | _____ (Signature in Full. No initials.) |
| Signed at | <u>3 Indianapolis, IN</u> | Date | <u>4 7/31/00</u> |
| Inventor (3) | <u>Scott Edward Klopfenstein</u> (Type or Print) | | <u>Scott Edward Klopfenstein</u> (Signature in Full. No initials.) |
| Post Office Address | <u>9304-F Viking Hills Court, Indianapolis, Indiana 46250, USA</u> | | |
| 1st Witness | <u>6 Chase Antunovich</u> (Type or Print) | | <u>Chase Antunovich</u> (Signature in Full. No initials.) |
| 2nd Witness | <u>8 Donna Love</u> (Type or Print) | | <u>Donna Love</u> (Signature in Full. No initials.) |

| | | | |
|--------------|--|--|--|
| Signed at | 3 <u>Indianapolis, IN</u> | Date | 4 <u>8/8/00</u> |
| Inventor (4) | <u>Aaron Hal Dinwiddie</u> (Type or Print) | | <u>Aaron Hal Dinwiddie</u> (Signature in Full. No initials.) |
| | Post Office Address | <u>12466 Trophy Drive, Fishers, Indiana 46038, USA</u> | |
| 1st Witness | 6 <u>Elizabeth Ann Jackson</u> (Type or Print) | | 7 <u>Elizabeth Ann Jackson</u> (Signature in Full. No initials.) |
| 2nd Witness | 8 <u>Chance Antonette Danks</u> (Type or Print) | | 9 <u>Chance Antonette Danks</u> (Signature in Full. No initials.) |
| Signed at | _____ | Date | _____ |
| Inventor (5) | _____ (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.) |