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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 12/087,539      | 07/09/2008  | Paul Poniatowski     | 16441NP             | 2142             |

|                 |  |
|-----------------|--|
| EXAMINER        |  |
| KIM, WESLEY LEO |  |

|          |              |
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| ART UNIT | PAPER NUMBER |
| 2645     |              |

|            |               |
|------------|---------------|
| MAIL DATE  | DELIVERY MODE |
| 08/06/2013 | PAPER         |

7590 08/06/2013  
PAUL PONIATONSKI  
12 - 11 KENIGA UL.  
Warsaw, 02-495  
POLAND

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| <b>Notice of Abandonment</b> | <b>Application No.</b> | <b>Applicant(s)</b> |
|                              | 12/087,539             | PONIATOWSKI, PAUL   |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |
|                              | WESLEY KIM             | 2645                |

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This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 20 July 2012.
  - (a) ☐ A reply was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
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5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
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7. ☒ The reason(s) below:  
  
It has been over 6 1/2 months and no response is received.

/Wesley L Kim/  
Primary Examiner, Art Unit 2645

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

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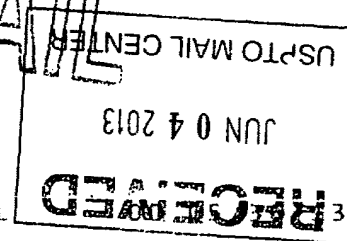
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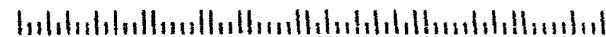
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7590 02/22/2013  
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POLAND

EXAMINER

KIM, WESLEY LEO

ART UNIT PAPER NUMBER

2645

MAIL DATE DELIVERY MODE

02/22/2013

PAPER

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|                              | WESLEY KIM             | 2645                |

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|  | Wesley L Kim/<br>Primary Examiner, Art Unit 2645 |
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Paul Poniatowski

16441NP

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KIM, WESLEY LEO

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2617

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07/20/2012

PAPER

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| <b>Office Action Summary</b> | <b>Application No.</b><br>12/087,539 | <b>Applicant(s)</b><br>PONIATOWSKI, PAUL |  |
|                              | <b>Examiner</b><br>WESLEY KIM        | <b>Art Unit</b><br>2617                  |  |

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**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 October 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 5) ☒ Claim(s) 1-17 is/are pending in the application.
- 5a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 6) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 7) ☒ Claim(s) 1-17 is/are rejected.
- 8) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 9) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 15 October 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                                            |                                                                                         |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.                                                |

## DETAILED ACTION

### ***Double Patenting***

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 1-17 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-12 of U.S. Patent No. 7606215 B2. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of the current application encompass the same subject matter as the patented claims, but with broader recitation.

**Patented Claim 1**

1. (currently amended) A system for distributing information to the public, wherein the information includes at least one video feed and a plurality of audio feeds, the system comprising:

- a network hub for receiving audio and video information from a source to be distributed to the public;

- a plurality of publicly viewable video display screens; at least one video distribution hub, each video distribution hub receiving at least one video feed from said network hub and including transmitter means for transmitting said at least one video feed that is displayed to the public to at least one of said display screens, and the at least one video feed including at least one code for prompting a viewer to use a telephone to access audio information;

- at least one audio distribution hub, each audio distribution hub receiving a plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users by way of code entered into end users' telephones after the code is visually displayed on said at least one of said display screens and at least one of the audio feeds relates to the at least one video feed that is being displayed to the public;

- a telephone interface including means for receiving an end user telephone call for accessing said plurality of audio feeds and such that an end user inputs the code for selection of at least one audio feed from the plurality of audio fees, said telephone

interface communicating with said at least one audio distribution hub, said telephone interface automatically routing a selected audio feed from said at least one audio distribution hub to said end user's telephone based on the end user's input, and  
at least one of the plurality of audio feeds is synchronized with the at least one video feed that is being displayed to the public.

### **Pending Claim 1**

1. A system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:

- a network hub for receiving said information from a source;
  - a plurality of publicly viewable video display screens;
  - at least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;
  - at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users;
  - a telephone interface for receiving end user telephone calls for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input,
- wherein at least one audio feed is synchronized with one of the at least one video feed.

### **Patent Claim 11**

11. (currently amended) A system for providing at least one audio feed to end users based at least in part on a video feed being displayed to the public, the system comprising:

Art Unit: 2617

a network hub for receiving a plurality of audio feeds, wherein at least one of said plurality of audio feeds is synchronized with a video feed also being received by the network hub;

a video distribution hub for receiving video feed from the network hub and for transmitting the video feed to at least one publicly viewable display screen so that the video feed is displayed publicly;

at least one audio distribution hub receiving said at least one audio feed from said network hub; and

a telephone interface for receiving telephone calls from end users viewing the at least one publicly viewable display screen and calling at least one telephone number shown on the video feed being displayed on that at least one publicly viewable display screen, said telephone interface having means for selection of at least one audio feed from said plurality of audio feeds based upon input from end users calling into the telephone interface, said telephone interface

### **Pending Claim 11**

11. A system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;

- at least one audio distribution hub receiving said at least one audio feed from said network hub;

- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users

Upon review of the claims above it is obvious that the claims of the current application, while not identical, are not patentably distinct from each other because the claims of the current application encompass the same subject matter as the patent claim, with broader recitation.

Further Claims 2-17 of the Pending claims are rejection over Claims 1-12 of the patented Claims as the claims of the current application encompass the same subject matter as the patent claims, with obvious minor variations/modifications.

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the fourth paragraph of 35 U.S.C. 112:

Subject to the [fifth paragraph of 35 U.S.C. 112], a claim in dependent form shall contain a reference to a claim previously set forth and then specify a further limitation of the subject matter claimed. A claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.

4. Claim 17 is rejected under 35 U.S.C. 112, 4th paragraph, as being of improper dependent form for failing to further limit the subject matter of the claim upon which it depends, or for failing to include all the limitations of the claim upon which it depends. Claim 17 dependent on claim 16 does not further limit the limitation of claim 16. Applicant may cancel the claim(s), amend the claim(s) to place the claim(s) in proper dependent form, rewrite the claim(s) in independent form, or present a sufficient showing that the dependent claim(s) complies with the statutory requirements.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lutterbach et al (US 5510828) in view of Duncan (US 2004/0192351 A1) and Walker et al (US 6209028 B1).

**Regarding Claim 1**, Lutterbach teaches a system for distributing information to the public (Abstract and Fig.1 and Fig.3), said information comprising at least one video feed and a plurality of audio feeds (Fig.6 and Col.3:line 66-Col.4:line 13 and Col.3:lines 26-28), the system comprising: - a network hub for receiving said information from a source (Fig.6:40, source and Fig.6:42, hub); - a plurality of publicly viewable video display screens (Col.3:lines 26-28 and Fig.4, plural displays);

- transmitting said one video feed to at least one of said display screens (Fig.4)

- at least one audio distribution hub (Fig.6:48), the or each audio distribution hub receiving said plurality of audio feeds from said network hub (Fig.6, receives from hub 42), each of said audio feeds being accessible by end users (Fig.6:50, Fig.4 and Col.5:lines 15-25); wherein at least one audio feed is synchronized with one of the at least one video feed (Col.1:lines 52-62, audio related to video is received hence synchronized), however **Lutterbach does not expressly teach** - at

least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub.

Duncan teaches that it is notoriously well known in the art that a video signals may be transmitted wirelessly to a display (Par.13). A skilled artisan can see that Lutterbachs hub which splits video and audio (Fig.6:42), would have to send the video signal to a transmitter (i.e. video hub), much like the audio transmitter (i.e. audio hub) (Fig.6:48) in order to send the split out video signal to the displays wireless. Therefore, to one of ordinary skill in the art, it would have been obvious to modify Lutterbach such that an enhanced system is provided video signals may be conveniently and wirelessly transmitted to multiple displays in large areas such as stadiums without the need for all the messiness and clutter of having physical wires. However **the combination of Lutterbach and Duncan do not expressly teach** a telephone interface for receiving end user telephone calls for accessing said plurality of audio feeds said telephone interface Communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input.

Walker does teach a telephone interface for receiving end user telephone calls for accessing said plurality of audio feeds (Col.5:lines 22-31 and Col.7:lines 41-57, user can call to receive audio hence there is a telephone interface), said telephone interface communicating with said at least one audio distribution hub (Col.5:lines 22-31 and Col.7:lines 41-57, service controller 20 is audio hub), said

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telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input (Col.5:lines 22-31 and Col.7:lines 41-57, based on user input audio is routed to user). A skilled artisan immediately recognizes that Lutterbach audio hub may be simply substituted by the service provider 20 of Walker such that users need to call a number to obtain audio signals. Therefore, to one of ordinary skill in the art, it would have been obvious to modify the combined invention of Lutterbach and Duncan with Walker at the time of the invention such that an enhanced system is provided where a user may receive audio while in a stadium by calling a number displayed on the screen to conveniently access audio, as cellular telephones are readily carried by almost everyone these days, without the need to carry addition devices such as an FM radio/receiver.

**Regarding Claim 2**, Lutterbach teaches said network hub receives said information from various sources (Col.3:lines 44-46) and Walker teaches separate video and audio feeds (Col.5:line 61-Col.6:line 6), hence separate video and audio feeds may be received and user can call in to receive supplemental audio synchronized with the video, to provide an enhanced experience to the user.

**Regarding Claim 3**, Lutterbach teaches at least one audio feed received by said network hub is a themed audio feed (Col.1:lines 58-62, audio related to video, hence themed).

**Regarding Claim 4**, the rejection of Claim 1 teaches that at least one of said plurality of publically viewable video display screens receives video feed from said video distribution hub wirelessly.

**Regarding Claim 5**, the examiner take OFFICIAL NOTICE that it is notoriously well known in the art that video display screens may receive video from a source through a closed circuit network. Therefore, the content of the video may be successfully delivered to the display and endusers.

**Regarding Claim 6**, Lutterbach teaches that the video displays may be deployed outside a vehicle (Fig.1, outside car).

**Regarding Claim 7**, the examiner takes OFFICIAL NOTICE that it is well known in the art that a plurality of publically viewable displays may be deployed inside a vehicle (i.e. plane, bus, train). Hence, people inside the vehicle may privately access the audio when interested in the contents displayed thereby providing an enhanced system where others are not bothered by undesired audio.

**Regarding Claim 8**, Lutterbach teaches said network hub receives multiple video feeds each of said multiple video feeds being transmitted to said video display screens located in different geographic regions (Fig.4 and Col.3:lines 24-29).

**Regarding Claim 9**, the user takes OFFICIAL NOTICE that it is notoriously well known in the art that videos may be provided with closed captioning, thereby providing persons with loss of hearing an enhanced system where they may read what is audible to others.

**Regarding Claim 10**, Lutterbach teaches that video feed is provided with advertisements (Col.5:lines 63-66).

**Regarding Claim 12**, Lutterbach teaches wherein a plurality of audio feeds are received by said network hub (Fig.6 and Col.3:line 66-Col.4:line 13 and Col.3:lines 26-28) and at least one of said audio feeds is synchronized with a video feed (Col.5:lines 15-25).

**Regarding Claim 13**, Lutterbach teaches video feed is publically viewable (Fig.1-Fig.4).

**Regarding Claim 14-15**, the examiner take OFFICIAL NOTICE that it is notoriously well known that a telephone interface may receive user input relating to goods or services offered through a video feed. Hence users are provided a convenient way to make purchases or obtain further information about contents of a video feed at the moment they see the contents they are interested in.

**Regarding Claims 16-17**, the examiner takes OFFICIAL NOTICE that it is well known that user input can comprise specific codes shown on a video feed for ordering said goods or services. Hence users are provided a convenient way to make purchases or obtain further information about contents of a video feed at the moment they see the contents they are interested in.

(Walker Col.7:lines 40-55 and Col.8:lines 43-51)

### ***Conclusion***

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to WESLEY KIM whose telephone number is (571)272-7867. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Wesley L Kim/  
Primary Examiner, Art Unit 2617

Application/Control Number: 12/087,539  
Art Unit: 2617

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|                                   |                                       |  |                                                              |             |
|-----------------------------------|---------------------------------------|--|--------------------------------------------------------------|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>12/087,539 |  | Applicant(s)/Patent Under Reexamination<br>PONIATOWSKI, PAUL |             |
|                                   | Examiner<br>WESLEY KIM                |  | Art Unit<br>2617                                             | Page 1 of 1 |

#### U.S. PATENT DOCUMENTS

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name              | Classification |
|---|---|--------------------------------------------------|-----------------|-------------------|----------------|
| * | A | US-5,510,828                                     | 04-1996         | Lutterbach et al. | 725/138        |
| * | B | US-6,209,028                                     | 03-2001         | Walker et al.     | 709/219        |
| * | C | US-2004/0192351                                  | 09-2004         | Duncan, Daniel N. | 455/456.3      |
| * | D | US-2005/0031092                                  | 02-2005         | Umemura et al.    | 379/088.13     |
| * | E | US-5,418,577                                     | 05-1995         | Bagley, Alan W.   | 348/729        |
| * | F | US-7,412,533                                     | 08-2008         | Johnson et al.    | 709/231        |
| * | G | US-2002/0094787                                  | 07-2002         | Avnet et al.      | 455/68         |
| * | H | US-2010/0306064                                  | 12-2010         | Inselburg, Eric   | 705/14.71      |
| * | I | US-5,953,429                                     | 09-1999         | Wakai et al.      | 381/77         |
| * | J | US-6,813,777                                     | 11-2004         | Weinberger et al. | 725/76         |
|   | K | US-                                              |                 |                   |                |
|   | L | US-                                              |                 |                   |                |
|   | M | US-                                              |                 |                   |                |

#### FOREIGN PATENT DOCUMENTS

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--------------------------------------------------|-----------------|---------|------|----------------|
|   | N |                                                  |                 |         |      |                |
|   | O |                                                  |                 |         |      |                |
|   | P |                                                  |                 |         |      |                |
|   | Q |                                                  |                 |         |      |                |
|   | R |                                                  |                 |         |      |                |
|   | S |                                                  |                 |         |      |                |
|   | T |                                                  |                 |         |      |                |

#### NON-PATENT DOCUMENTS

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|-------------------------------------------------------------------------------------------|
|   | U |                                                                                           |
|   | V |                                                                                           |
|   | W |                                                                                           |
|   | X |                                                                                           |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                                                                                              |                                                |                                                                         |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------|
| <b>Search Notes</b><br><br> | <b>Application/Control No.</b><br><br>12087539 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>PONIATOWSKI, PAUL |
|                                                                                                              | <b>Examiner</b><br><br>WESLEY KIM              | <b>Art Unit</b><br><br>2617                                             |

| SEARCHED |                                              |           |          |
|----------|----------------------------------------------|-----------|----------|
| Class    | Subclass                                     | Date      | Examiner |
| 348      | 14.11, 14.12, 14.13, 14.16                   | 7/13/2012 | WK       |
| 370      | 260                                          | 7/13/2012 | WK       |
| 725      | 41, 42, 74, 75, 105, 106, 115, 118, 119, 127 | 7/13/2012 | WK       |

| SEARCH NOTES                                    |           |          |
|-------------------------------------------------|-----------|----------|
| Search Notes                                    | Date      | Examiner |
| EAST: see search history                        | 7/13/2012 | WK       |
| Spoke with George Eng about search areas        | 7/11/2012 | WK       |
| Spoke with Hai Tran for assistance in 725 area. | 7/12/2012 | WK       |
| Inventor Name Search                            | 7/13/2012 | WK       |

| INTERFERENCE SEARCH |          |      |          |
|---------------------|----------|------|----------|
| Class               | Subclass | Date | Examiner |
|                     |          |      |          |

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## BIB DATA SHEET

CONFIRMATION NO. 2142

|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          |                                                              |                                       |                           |                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|---------------------------|--------------------------------|
| <b>SERIAL NUMBER</b><br>12/087,539                                                                                                                                                                                                                                                               | <b>FILING or 371(c) DATE</b><br>07/09/2008<br><b>RULE</b>                                                         | <b>CLASS</b><br>348                                      | <b>GROUP ART UNIT</b><br>2617                                | <b>ATTORNEY DOCKET NO.</b><br>16441NP |                           |                                |
| <b>APPLICANTS</b><br>Paul Poniatowski, Toronto, ON, CANADA;<br><b>** CONTINUING DATA *****</b><br>This application is a 371 of PCT/CA2004/000513 04/07/2004<br><b>** FOREIGN APPLICATIONS *****</b><br><b>** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY **</b><br>11/19/2008 |                                                                                                                   |                                                          |                                                              |                                       |                           |                                |
| Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Verified and Acknowledged <u>/WESLEY LEO KIM/</u><br>Examiner's Signature                  |                                                                                                                   | <input type="checkbox"/> Met after Allowance<br>Initials | <b>STATE OR COUNTRY</b><br>ON                                | <b>SHEETS DRAWINGS</b><br>3           | <b>TOTAL CLAIMS</b><br>17 | <b>INDEPENDENT CLAIMS</b><br>2 |
| <b>ADDRESS</b><br>PAUL PONIATONSKI<br>12 - 11 KENIGA UL.<br>Warsaw, 02-495<br>POLAND                                                                                                                                                                                                             |                                                                                                                   |                                                          |                                                              |                                       |                           |                                |
| <b>TITLE</b><br>Audio/Visual Information Dissemination System                                                                                                                                                                                                                                    |                                                                                                                   |                                                          |                                                              |                                       |                           |                                |
| <b>FILING FEE RECEIVED</b><br>530                                                                                                                                                                                                                                                                | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: |                                                          | <input type="checkbox"/> All Fees                            |                                       |                           |                                |
|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          | <input type="checkbox"/> 1.16 Fees (Filing)                  |                                       |                           |                                |
|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          | <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) |                                       |                           |                                |
|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          | <input type="checkbox"/> 1.18 Fees (Issue)                   |                                       |                           |                                |
|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          | <input type="checkbox"/> Other _____                         |                                       |                           |                                |
|                                                                                                                                                                                                                                                                                                  |                                                                                                                   |                                                          | <input type="checkbox"/> Credit                              |                                       |                           |                                |

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                    | DBs                           | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------------------------------------------------------------------------------------|-------------------------------|------------------|---------|------------------|
| S1    | 2    | 12/087539                                                                                       | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 12:33 |
| S2    | 3533 | video same audio same hub                                                                       | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:07 |
| S3    | 0    | 725/74,75.clas.                                                                                 | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:07 |
| S4    | 627  | 725/74,75.ccls.                                                                                 | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:07 |
| S5    | 16   | S2 and S4                                                                                       | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:07 |
| S6    | 1    | call\$4 near3 (number) with listen\$4 with video same (display\$4 ) and video near distribution | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:13 |
| S7    | 2    | call\$4 near3 (number) with listen\$4 with video and video near distribution                    | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:13 |
| S8    | 4    | "7412533".pn.                                                                                   | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 13:14 |
| S9    | 5615 | 348/14.11,14.12,14.13,14.16.ccls.<br>370/260.ccls.<br>725/41,42,74,75,105,106.ccls.             | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 15:13 |
| S10   | 131  | video same audio same (separate\$4) same3 (synch synchroniz\$7)                                 | US-PGPUB; USPAT; EPO; DERWENT | OR               | ON      | 2012/07/11 15:15 |

|     |      |                                                                                                                                                                                                                                         |                                        |    |    |                     |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
| S11 | 80   | S10 and @ad<"20040407"                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:15 |
| S12 | 12   | video same audio same (separate\$4)<br>same (call\$4 dial\$4) same3 (synch<br>synchroniz\$7)                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:17 |
| S13 | 8    | S12 and @ad<"20040407"                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:19 |
| S14 | 2    | "7454776".pn.                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:22 |
| S15 | 1160 | video same television same (audio<br>sound voice) same call\$4 with<br>(telephone pda (cellular wireless<br>mobile hand\$1held portable) near<br>(phone telephone device))                                                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:28 |
| S16 | 409  | S15 and @ad<"20040407"                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:28 |
| S17 | 73   | video same television same (audio<br>sound voice) same call\$4 with<br>(telephone pda (cellular wireless<br>mobile hand\$1held portable) near<br>(phone telephone device)) same<br>(synch synchronize coordinat\$4<br>simultaneous\$4)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:29 |
| S18 | 27   | S17 and @ad<"20040407"                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:29 |
| S19 | 520  | video same television same (audio<br>sound voice) same call\$4 with<br>(telephone pda (cellular wireless<br>mobile hand\$1held portable) near<br>(phone telephone device)) and (bus<br>bill\$1board train public adj<br>transportation) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:31 |
| S20 | 175  | S19 and @ad<"20040407"                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:35 |
| S21 | 380  | video same television same (audio<br>sound voice) same call\$4 with<br>(telephone pda (cellular wireless<br>mobile hand\$1held portable) near<br>(phone telephone device)) same (dial<br>call) and (bus bill\$1board train public       | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:35 |

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|     |         |                                                                                                                                                                                                                                                       |                                        |    |    |                     |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
|     |         | adj transportation)                                                                                                                                                                                                                                   |                                        |    |    |                     |
| S22 | 38      | video same television same (audio sound voice) same call\$4 with (telephone pda (cellular wireless mobile hand\$1held portable) near (phone telephone device)) same (dial ) and (bus bill\$1board train public adj transportation)                    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:36 |
| S23 | 19      | S22 and @ad<"20040407"                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:36 |
| S24 | 130     | S21 and @ad<"20040407"                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:37 |
| S25 | 1       | video same television same (audio sound voice) same call\$4 with (telephone pda (cellular wireless mobile hand\$1held portable) near (phone telephone device)) same (dial call) near3 (listen) and (bus bill\$1board train public adj transportation) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:38 |
| S26 | 40      | video same television same (audio sound voice) same call\$4 with (telephone pda (cellular wireless mobile hand\$1held portable) near (phone telephone device)) same (dial call\$3in) and (bus bill\$1board train public adj transportation)           | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:38 |
| S27 | 19      | S26 and @ad<"20040407"                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:38 |
| S28 | 6       | "5973722".pn. "6683941".pn. "5966652".pn.                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:39 |
| S29 | 558966  | (display\$4 or transmit\$4 or broadcast\$4 or present\$4 or show\$4 ) near3 (video tv television)                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:40 |
| S30 | 56653   | (call\$1in dial\$1in call-in dial-in request\$4 obtain\$4) near3 (audio speech sound)                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:41 |
| S31 | 4542646 | synchroniz\$5 or integrat\$4 or match\$4                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:41 |
| S32 | 12721   | S29 and S30 and S31                                                                                                                                                                                                                                   | US-PGPUB;                              | OR | ON | 2012/07/11<br>15:41 |

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|     |        |                                                                                                                                                                                                                                                                                                                 |                                            |    |    |                     |
|-----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|---------------------|
|     |        |                                                                                                                                                                                                                                                                                                                 | USPAT;<br>EPO;<br>DERWENT                  |    |    |                     |
| S33 | 283    | S9 and S32                                                                                                                                                                                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:42 |
| S34 | 158    | S33 and @ad<"20040407"                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:43 |
| S35 | 580612 | (display\$4 or transmit\$4 or<br>broadcast\$4 or present\$4 or show\$4)<br>near3 (video tv television moving near<br>(picture image))                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:46 |
| S36 | 12932  | S35 and S30 and S31                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:46 |
| S37 | 265    | S35 same S30 same S31                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:46 |
| S38 | 99     | S37 and @ad<"20040407"                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>15:47 |
| S39 | 2937   | (display\$4 or transmit\$4 or<br>broadcast\$4 or present\$4 or show\$4<br>or watch\$4) near3 (video tv television<br>moving near (picture image)<br>commercial advertisment\$1) same<br>(call\$1in dial\$1in call-in dial-in<br>request\$4 obtain\$4 tune\$1in) near3<br>(audio speech sound)                   | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>17:40 |
| S40 | 16     | (display\$4 or transmit\$4 or<br>broadcast\$4 or present\$4 or show\$4<br>or watch\$4) near3 (video tv television<br>moving near (picture image)<br>commercial advertisment\$1) same<br>(call\$1in dial\$1in call-in dial-in call<br>near2 (number tldn) dial adj2 (number<br>tldn)) near3 (audio speech sound) | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>17:42 |
| S41 | 204    | (display\$4 or transmit\$4 or<br>broadcast\$4 or present\$4 or show\$4<br>or watch\$4 view\$4) near4 (video tv<br>television moving near (picture image)<br>commercial advertisment\$1) same<br>(call\$1in dial\$1in call-in dial-in call<br>near3 (obtain\$4 receiv\$4) ) near4<br>(audio speech sound)        | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/11<br>17:54 |
| S42 | 68     | S41 and @ad<"20040407"                                                                                                                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT;                    | OR | ON | 2012/07/11<br>17:54 |

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|     |    |                                                                                                                                                                                                                                                                                                     |                                            |    |    |                     |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|---------------------|
|     |    |                                                                                                                                                                                                                                                                                                     | EPO;<br>DERWENT                            |    |    |                     |
| S43 | 18 | ("20010032122"   "20010032131"  <br>"20020022476"   "20020056121"  <br>"20020087335"   "20020094787"  <br>"20020130967"   "20020162113"  <br>"20020194264"   "20020194622"  <br>"20030103644"   "20040103437"  <br>"5412708"   "5774534"   "5896129"  <br>"6222826"   "6869013"  <br>"7149549").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/11<br>18:01 |
| S44 | 1  | "20020194264"                                                                                                                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/11<br>18:03 |
| S45 | 1  | "6222826".pn.                                                                                                                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/11<br>18:04 |
| S46 | 38 | ("6222826").URPN.                                                                                                                                                                                                                                                                                   | USPAT                                      | OR | ON | 2012/07/11<br>18:05 |
| S47 | 1  | "5896129".pn.                                                                                                                                                                                                                                                                                       | USPAT                                      | OR | ON | 2012/07/11<br>18:07 |
| S48 | 1  | "6748597".pn.                                                                                                                                                                                                                                                                                       | USPAT                                      | OR | ON | 2012/07/11<br>18:09 |
| S49 | 0  | "20020094787"                                                                                                                                                                                                                                                                                       | USPAT                                      | OR | ON | 2012/07/11<br>18:10 |
| S50 | 1  | "20020094787"                                                                                                                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/11<br>18:11 |
| S51 | 0  | "5412708.pn."                                                                                                                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/11<br>18:12 |
| S52 | 1  | "5412708".pn.                                                                                                                                                                                                                                                                                       | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/11<br>18:12 |
| S53 | 10 | "5774534".pn. "20010032131"<br>"20020022476" "20020094787"<br>"20020130967" "20020162113"<br>"20020194622"                                                                                                                                                                                          | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/11<br>18:14 |
| S54 | 47 | (video tv television moving near<br>(picture image) commercial<br>advertsiment\$1) same (call\$1in<br>dial\$1in call-in dial-in request\$4<br>obtain\$4 tune\$1in call near3 number<br>dial near3 number) near4 (hear listen)<br>near4 (audio speech sound)                                         | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>11:35 |
| S55 | 18 | S54 and @ad< "20040407"                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>11:41 |
| S56 | 48 | (video tv television moving near<br>(picture image) commercial<br>advertsiment\$1 display) same<br>(call\$1in dial\$1in call-in dial-in<br>tune\$1in call near3 number dial near3<br>number) near4 (hear listen) and (gym<br>public near (venue location area) bus                                  | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>11:46 |

|     |    |                                                                                                                                                                                                                                               |                                        |    |    |                     |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
|     |    | public)                                                                                                                                                                                                                                       |                                        |    |    |                     |
| S57 | 20 | S56 and @ad<"20040407"                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>11:47 |
| S58 | 18 | S57 not S55                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>11:48 |
| S59 | 16 | ("4734764"   "4839733"   "5055939"  <br>"5509060"   "5561709"   "5585858"  <br>"5594660"   "5596419"   "5596705"  <br>"5677739"   "5712950"   "5731846"  <br>"5774170"   "5809471"   "5815634"  <br>"5900908").PN.                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>11:50 |
| S60 | 0  | (video tv television moving near<br>(picture image) commercial<br>advertisment\$1 display) same<br>(call\$1in dial\$1in call-in dial-in<br>tune\$1in call near3 number dial near3<br>number) near4 (hear listen) same<br>(gym)                | US-PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>11:56 |
| S61 | 12 | (video tv television moving near<br>(picture image) commercial<br>advertisment\$1 display) same<br>(call\$1in dial\$1in call-in dial-in<br>tune\$1in call near3 number dial near3<br>number) with (hear listen) near3<br>(audio speech sound) | US-PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>12:01 |
| S62 | 0  | fluxuation near3 range same<br>scheduling                                                                                                                                                                                                     | US-PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>12:42 |
| S63 | 87 | poniatowski.in.                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:27 |
| S64 | 22 | poniatowski.in. and video same audio                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:27 |
| S65 | 25 | "5896129".pn. "20020194264"<br>"6222826".pn. "7149549".pn.<br>"5412708".pn. "5774534".pn.<br>"20010032131" "20020022476"<br>"20020094787" "20020130967"<br>"20020162113" "200240194622"                                                       | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:33 |
| S66 | 2  | "5896129".pn.                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:40 |
| S67 | 2  | "20020194264"                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:40 |

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|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|---------------------|
| S68 | 13    | audio near (channel signal) same<br>video near (signal channel) same<br>separat\$4 same (display tv) same<br>public\$5                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:43 |
| S69 | 15743 | (audio audio near (channel signal))<br>same (video video near (signal<br>channel)) same separat\$4 same<br>(display tv television)                                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:50 |
| S70 | 250   | (audio audio near (channel signal))<br>same (video video near (signal<br>channel)) same separat\$4 same<br>(display tv television) same public\$6                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:51 |
| S71 | 76    | S70 and @ad<"20040407"                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:53 |
| S72 | 5618  | 348/14.11,14.12,14.13,14.16.ccls.<br>370/260.ccls.<br>725/41,42,74,75,105,106.ccls.                                                                                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:57 |
| S73 | 8     | S71 and S72                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:57 |
| S74 | 1900  | database same (store stor\$4) same<br>(multimedia video ) same audio same<br>(distribut\$4 distribution distributed)                                                                                                                               | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>13:59 |
| S75 | 513   | S74 and @ad<"20040407"                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:00 |
| S76 | 13    | S75 and S72                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:00 |
| S77 | 1373  | (video tv television moving near<br>(picture image) display commercial<br>advertisiment\$1) same (call\$4in<br>dial\$4in call\$4-in dial\$4-in request\$4<br>obtain\$4 tune\$1in call near3 number<br>dial near3 number) near4 (hear<br>listen\$4) | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/12<br>14:02 |
| S78 | 36    | S72 and S77                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:03 |
| S79 | 23    | S78 and @ad<"20040407"                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;                    | OR | ON | 2012/07/12<br>14:03 |

|     |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |    |    |                     |
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|     |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EPO;<br>DERWENT                            |    |    |                     |
| S80 | 626    | S77 and @ad<"20040407"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:04 |
| S81 | 136527 | 348/14.11,14.12,14.13,14.16.ccls.<br>370/260.ccls.<br>725/41,42,74,75,105,106.ccls.<br>"345".clas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:04 |
| S82 | 74     | S77 and S81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:05 |
| S83 | 4092   | (display\$4 or transmit\$4 or<br>broadcast\$4 or present\$4 or show\$4<br>or watch\$4) near3 (video tv television<br>moving near (picture image)<br>commercial advertisiment\$1 program)<br>same (call\$1in dial\$1in call-in dial-in<br>request\$4 obtain\$4 tune\$1in) near4<br>(audio speech sound)                                                                                                                                                                                                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>14:16 |
| S84 | 1      | ("7606215").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | USPAT                                      | OR | ON | 2012/07/12<br>14:24 |
| S85 | 39     | ("20020065074"   "20020126708"  <br>"20020194609"   "20030032435"  <br>"20030078986"   "20030124973"  <br>"20030195940"   "20030196209"  <br>"20040021555"   "20040111476"  <br>"20040122907"   "20040143841"  <br>"20040177378"   "20040229655"  <br>"20050136949"   "20050289216"  <br>"20060183465"   "20070037549"  <br>"20070129074"   "20070178830"  <br>"6456234"   "6532415"   "6553178"  <br>"6611654"   "6865398"   "6965770"  <br>"6970712"   "6996393"   "7003040"  <br>"7016706"   "7039672"   "7107010"  <br>"7142204"   "7200633"   "7212783"  <br>"7221903"   "7536704"   "7599691"  <br>"7606215").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>14:24 |
| S86 | 1      | "6598075".pn.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>15:26 |
| S87 | 1      | feld near andrew                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:04 |
| S88 | 183    | ((separat\$4 with audio with video)<br>and (network or system)).ab. and<br>@ad<"20040407"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:35 |
| S89 | 1      | "20050212687"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:44 |

|      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |    |    |                     |
|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
| S90  | 38 | ("4258387"   "4430526"   "4449144"   "4460918"   "4710813"   "4924311"   "4928300"   "4931872"   "4932047"   "4992866"   "5038224"   "5062136"   "5117372"   "5142361"   "5191601"   "5202961"   "5204768"   "5226117"   "5230063"   "5257306"   "5280275"   "5280540"   "5287448"   "5309509"   "5315633"   "5317405"   "5318257"   "5357281"   "5369617"   "5374952"   "5384588"   "5396269"   "5408261"   "5477546"   "5550649"   "5611038"   "D341848"   "D370010").PN. | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:54 |
| S91  | 0  | walmart same (multiple plural\$4) with (tv television)                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:59 |
| S92  | 0  | wal\$1mart same (multiple plural\$4) with (tv television)                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:59 |
| S93  | 0  | (best\$1buy wal\$1mart) same (multiple plural\$4) with (tv television)                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:59 |
| S94  | 4  | (best\$1buy wal\$1mart) same (multiple plural\$4) with (tv television display)                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>16:59 |
| S95  | 0  | (multiple plural\$4) with (tv television display) same (listen) with (with\$1out) near4 (disrupt\$4)                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:00 |
| S96  | 1  | (tv television display) same (listen\$4) with (with\$1out) near4 (disrupt\$4)                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:00 |
| S97  | 27 | (tv television display) same (listen\$4) with (with\$1out) near4 (bother\$4 disrupt\$4 annoying annoyance)                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:02 |
| S98  | 27 | (tv television display screen) same (listen\$4) with (with\$1out) near4 (bother\$4 disrupt\$4 annoying annoyance)                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:09 |
| S99  | 55 | broadcast\$4 near4 (tv video television) same (listen\$4) near5 (privately frequency )                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:17 |
| S100 | 1  | S99 and S80                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:18 |
| S101 | 18 | ("5052048"   "5594779"   "5812937"   "5852610"   "5991637"   "6236832"   "6331669"   "6507727"   "6529742"   "6539210"   "6577849"   "6643495"   "6658231"   "6658267"   "6804510").PN. OR                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:19 |

|      |       |                                                                                                                                                                                         |                                        |    |    |                     |
|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
|      |       | ("7149469").URPN.                                                                                                                                                                       |                                        |    |    |                     |
| S102 | 6     | video near hub same audio near hub                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:22 |
| S103 | 7     | (watch view) near4 (tv television display screen) same (listen\$4 hear\$4) near5 (bother\$4 disrupt\$4 annoying annoyance)                                                              | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:25 |
| S104 | 191   | (tv television display screen) same (listen\$4 hear\$4) near5 (bother\$4 disrupt\$4 annoying annoyance)                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:28 |
| S105 | 3     | S104 and S80                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:28 |
| S106 | 85    | S104 and @ad<"20040407"                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:29 |
| S107 | 15    | ("5052048"   "5594779"   "5812937"   "5852610"   "5991637"   "6236832"   "6331669"   "6507727"   "6529742"   "6539210"   "6577849"   "6643495"   "6658231"   "6658267"   "6804510").PN. | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:33 |
| S108 | 218   | video near distribution and split\$4 with (video) same audio                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:35 |
| S109 | 0     | S80 and S108                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:37 |
| S110 | 162   | S108 and @ad<"20040407"                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:37 |
| S111 | 912   | video near distribution and separat\$4 with (video) with audio                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:45 |
| S112 | 3149  | 725/119,105,115,118,127.ccls.                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:46 |
| S113 | 35    | S111 and S112                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:46 |
| S114 | 11740 | separat\$4 near4 (video) near4 audio                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:50 |
| S115 | 168   | S112 and S114                                                                                                                                                                           | US-PGPUB;                              | OR | ON | 2012/07/12<br>17:51 |

|      |      |                                                                                                                                                                                                                                                           |                                            |    |    |                     |
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|      |      |                                                                                                                                                                                                                                                           | USPAT;<br>USOCR                            |    |    |                     |
| S116 | 141  | S115 not S113                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/12<br>17:51 |
| S117 | 63   | S116 and @ad<"20040407"                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:51 |
| S118 | 1787 | conferenc\$4 same video and video<br>same (screen display) same audio<br>with (telephone phone)                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:57 |
| S119 | 594  | conferenc\$4 same video and (image<br>video) near3 (screen display monitor<br>television tv PC computer) same<br>(speech audio) near4 (telephone<br>phone)                                                                                                | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:58 |
| S120 | 73   | S81 and S119                                                                                                                                                                                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:58 |
| S121 | 35   | S120 and @ad<"20040407"                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/12<br>17:59 |
| S122 | 2    | "20100189048"                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>10:13 |
| S123 | 6    | video near call same2 (capabilit\$5)<br>same (voice speech audio) near4<br>(telephone POTS phone) same video<br>near3 (PC display screen)                                                                                                                 | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>10:24 |
| S124 | 6    | video near call same2 (characteristic\$1<br>device\$1type capabilit\$5) same (voice<br>speech audio) near4 (telephone POTS<br>phone) same video near3 (PC display<br>screen)                                                                              | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>10:30 |
| S125 | 12   | video near call same2 (characteristic\$1<br>device\$1type capabilit\$5) same (voice<br>speech audio) near4 (telephone POTS<br>phone) same (video image) near3 (PC<br>display screen computer tv television)                                               | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>10:34 |
| S126 | 16   | video near (conversation call) same2<br>(characteristic\$1 device\$1type<br>capabilit\$5) same (voice speech<br>audio) near4 (telephone POTS phone<br>subscriber adj equipment) same<br>(video image) near3 (PC display<br>screen computer tv television) | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>10:42 |
| S127 | 10   | S126 not S124                                                                                                                                                                                                                                             | US-<br>PGPUB;                              | OR | ON | 2012/07/13<br>10:44 |

|      |     |                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |    |    |                     |
|------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|---------------------|
|      |     |                                                                                                                                                                                                                                                                                                                                                                                                           | USPAT;<br>EPO;<br>DERWENT                  |    |    |                     |
| S128 | 1   | ("5790180").PN.                                                                                                                                                                                                                                                                                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/13<br>11:26 |
| S129 | 79  | video near (conversation call<br>conference) same2 (characteristic\$1<br>device\$1type capabilit\$5) same (voice<br>speech audio) near4 (telephone POTS<br>phone subscriber adj equipment)<br>same (video image) near3 (PC display<br>screen computer tv television)                                                                                                                                      | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:09 |
| S130 | 63  | S129 not S126                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:10 |
| S131 | 3   | S130 and @ad<"20040407"                                                                                                                                                                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:10 |
| S132 | 97  | video near (conversation call<br>conference) same2 (characteristic\$1<br>device\$1type capabilit\$5) same2<br>(voice speech audio) near4 (telephone<br>POTS phone subscriber adj<br>equipment) same (video image) near3<br>(PC display screen computer tv<br>television)                                                                                                                                  | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:11 |
| S133 | 34  | S132 not S130                                                                                                                                                                                                                                                                                                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:12 |
| S134 | 19  | S133 and @ad<"20040407"                                                                                                                                                                                                                                                                                                                                                                                   | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>12:12 |
| S135 | 3   | ("7149469").URPN.                                                                                                                                                                                                                                                                                                                                                                                         | USPAT                                      | OR | ON | 2012/07/13<br>12:24 |
| S136 | 6   | ("7454776").URPN.                                                                                                                                                                                                                                                                                                                                                                                         | USPAT                                      | OR | ON | 2012/07/13<br>12:30 |
| S137 | 30  | ("4349701"   "4389679"   "4398216"  <br>"4734764"   "4839733"   "5014125"  <br>"5055939"   "5393073"   "5410343"  <br>"5438355"   "5509060"   "5513384"  <br>"5559949"   "5561709"   "5570295"  <br>"5585858"   "5594660"   "5596419"  <br>"5596705"   "5661787"   "5677739"  <br>"5703636"   "5712950"   "5731846"  <br>"5774170"   "5809471"   "5815634"  <br>"5818441"   "5900908"  <br>"6209028").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/13<br>12:30 |
| S138 | 679 | hub same distribut\$4 same video<br>same audio                                                                                                                                                                                                                                                                                                                                                            | US-<br>PGPUB;<br>USPAT;                    | OR | ON | 2012/07/13<br>12:39 |

|      |        |                                                                                                                                     |                                            |    |    |                     |
|------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|---------------------|
|      |        |                                                                                                                                     | EPO;<br>DERWENT                            |    |    |                     |
| S139 | 3149   | 725/119,105,115,118,127.ccls.                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/13<br>12:39 |
| S140 | 32     | S139 and S138                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/13<br>12:39 |
| S141 | 1      | 10/433478                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:26 |
| S142 | 19     | troxel.in. and flight and video                                                                                                     | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:39 |
| S143 | 6984   | separat\$4 with (audio with video)<br>near4 (signal feed)                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:56 |
| S144 | 138397 | 348/14.11,14.12,14.13,14.16.ccls.<br>370/260.ccls.<br>725/41,42,74,75,105,106.ccls.<br>"345".clas.<br>725/119,105,115,118,127.ccls. | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:56 |
| S145 | 464    | S143 and S144                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:56 |
| S146 | 274    | S145 and @ad<"20040407"                                                                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>16:56 |
| S147 | 78     | ("5510828").URPN.                                                                                                                   | USPAT                                      | OR | ON | 2012/07/13<br>17:23 |
| S148 | 5      | ("5418577").URPN.                                                                                                                   | USPAT                                      | OR | ON | 2012/07/13<br>17:33 |
| S149 | 2      | "7257405".pn.                                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>17:57 |
| S150 | 1      | 13/155234                                                                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/13<br>18:00 |
| S151 | 171    | audio adj distribut\$4 same video adj<br>distribut\$4                                                                               | US-<br>PGPUB;<br>USPAT                     | OR | ON | 2012/07/17<br>13:44 |
| S152 | 26     | (split\$4 separat\$4) same audio adj<br>distribut\$4 same video adj distribut\$4                                                    | US-<br>PGPUB;                              | OR | ON | 2012/07/17<br>13:44 |

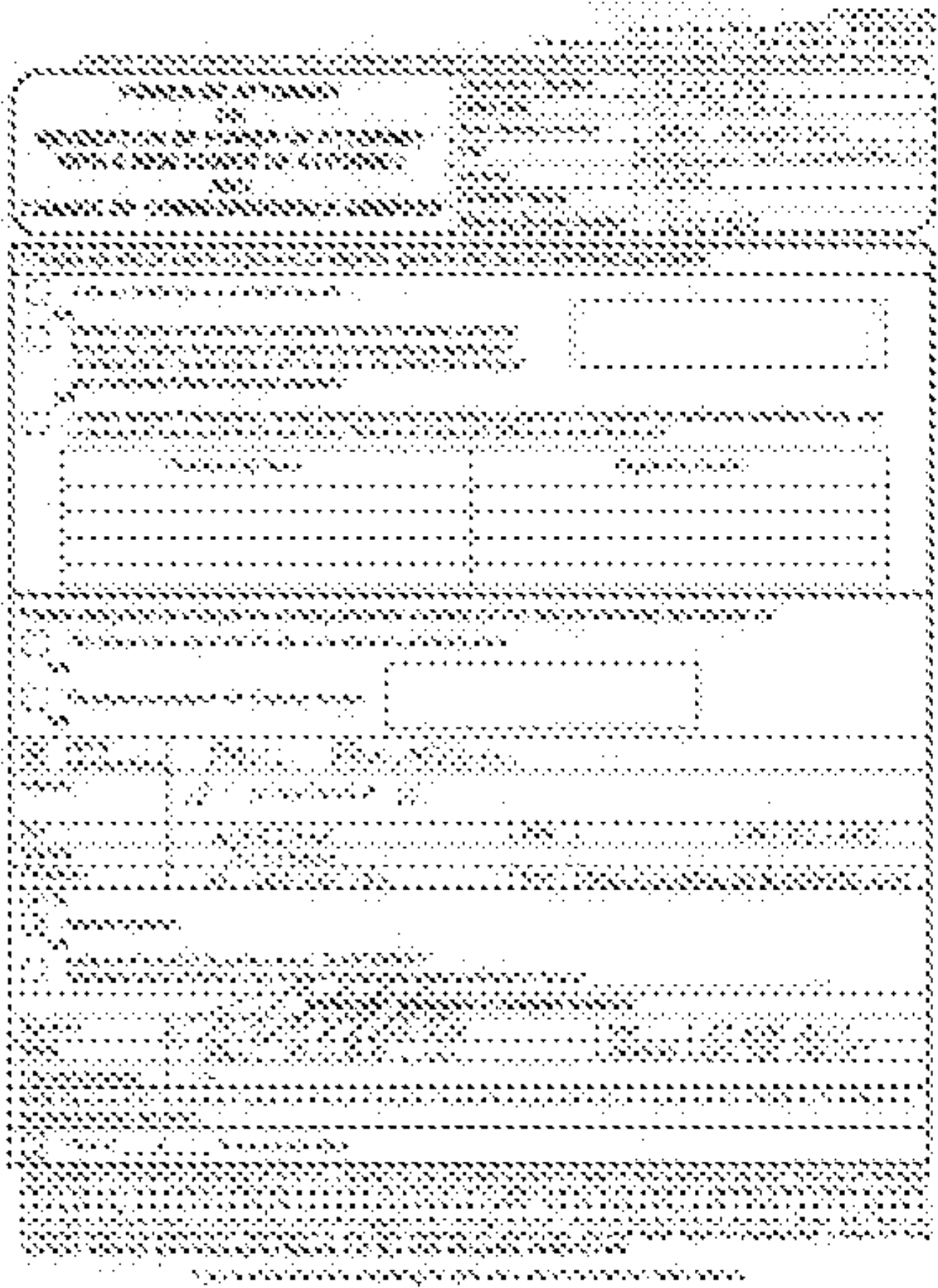
|      |        |                                                                                                                                                                                                                                                                          |                                        |    |    |                     |
|------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
|      |        |                                                                                                                                                                                                                                                                          | USPAT                                  |    |    |                     |
| S153 | 1      | "5652627".pn.                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT                     | OR | ON | 2012/07/17<br>13:55 |
| S154 | 18     | ("20010033619"   "20020106018"  <br>"20040062314"   "20060146850"  <br>"20070019739"   "20080059724"  <br>"4887279"   "5396497"   "5430485"  <br>"5559999"   "5652627"   "5831666"  <br>"5844600"   "5889791"   "6088063"  <br>"6122668"   "6931071"  <br>"6975363").PN. | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>13:56 |
| S155 | 10272  | (synchroniz\$5 same video same<br>audio) and (airplane vehicle bus public<br>adj transportation train)                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>14:02 |
| S156 | 1143   | (synchroniz\$5 same video same<br>audio) same (airplane vehicle bus<br>public adj transportation train)                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>14:02 |
| S157 | 565    | (synchroniz\$5 same video same<br>audio) same (airplane vehicle bus<br>public adj transportation train) and<br>@ad< "20040407"                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>14:02 |
| S158 | 151    | (synchroniz\$5 same video same<br>audio) same (airplane vehicle public<br>adj transportation train) and<br>@ad< "20040407"                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>14:03 |
| S159 | 138553 | 348/14.11,14.12,14.13,14.16.ccls.<br>370/260.ccls.<br>725/41,42,74,75,105,106.ccls.<br>"345".clas.<br>725/119,105,115,118,127.ccls.                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>15:23 |
| S160 | 151    | (synchroniz\$5 same video same<br>audio) same (airplane vehicle public<br>adj transportation train) and<br>@ad< "20040407"                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>15:23 |
| S161 | 10     | S159 and S160                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>15:23 |
| S162 | 141    | S160 not S161                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>15:26 |
| S163 | 2      | "6898517".pn.                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>15:53 |
| S164 | 11     | "6331825".pn. "6397057".pn.<br>"6411803".pn. "6484011".pn.<br>"6484148".pn.                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>15:55 |
| S165 | 100    | (synchroniz\$5 same video same<br>audio) same (advertis\$4) and<br>@ad< "20040407"                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>16:06 |

|      |      |                                                                                                                                                                             |                                        |    |    |                     |
|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|---------------------|
| S166 | 5207 | (satellite ) same tv same box                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>16:45 |
| S167 | 8947 | (airplane air\$1plane plane) and ((audio same video) near3 (signal\$1 channel\$1) audio same video) and (listen\$4 hear ) and (watch\$4 view\$3)                            | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:54 |
| S168 | 2686 | S167 and @ad<"20040407"                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:54 |
| S169 | 269  | S159 and S168                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:54 |
| S170 | 1757 | (airplane air\$1plane plane) and (split\$4 separat\$4) same ((audio same video) near3 (signal\$1 channel\$1) audio same video) and (listen\$4 hear ) and (watch\$4 view\$3) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:55 |
| S171 | 684  | S170 and @ad<"20040407"                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:55 |
| S172 | 923  | (airplane air\$1plane plane) and (split\$4 separat\$4) with ((audio same video) near3 (signal\$1 channel\$1) audio same video) and (listen\$4 hear ) and (watch\$4 view\$3) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:55 |
| S173 | 399  | S172 and @ad<"20040407"                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:55 |
| S174 | 33   | S159 and S173                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/17<br>16:56 |
| S175 | 80   | ("3980954"   "4866515"   "5034808"   "5123015"   "5289272"   "5481478").PN. OR ("5617331").URPN.                                                                            | US-PGPUB;<br>USPAT;<br>USOCR           | OR | ON | 2012/07/17<br>16:59 |
| S176 | 94   | closed adj circuit adj network                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2012/07/18<br>12:38 |

|                                                                                                                    |                                            |                                                                     |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|
| <b><i>Index of Claims</i></b><br> | <b>Application/Control No.</b><br>12087539 | <b>Applicant(s)/Patent Under Reexamination</b><br>PONIATOWSKI, PAUL |
|                                                                                                                    | <b>Examiner</b><br>WESLEY KIM              | <b>Art Unit</b><br>2617                                             |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |  |  |  |  |  |  |  |  | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|----------------------------------------------------------------------------------------|----------|------------|--|--|--|--|--|--|--|--|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM                                                                                  |          | DATE       |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
| Final                                                                                  | Original | 07/13/2012 |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 1        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 2        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 3        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 4        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 5        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 6        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 7        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 8        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 9        | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 10       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 11       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 12       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 13       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 14       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 15       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 16       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |
|                                                                                        | 17       | ✓          |  |  |  |  |  |  |  |  |                              |  |                               |  |                                 |  |



|                                      |                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| Electronic Acknowledgement Receipt   |                                                                                              |
| EFS ID:                              | 6841253                                                                                      |
| Application Number:                  | 12087539                                                                                     |
| International Application Number:    |                                                                                              |
| Confirmation Number:                 | 2142                                                                                         |
| Title of Invention:                  | Audio/Visual Information Dissemination System                                                |
| First Named Inventor/Applicant Name: | Paul Poniatowski                                                                             |
| Correspondence Address:              | PAUL PONIATONSKI<br>-<br>12 - 11 KENIGA UL.<br>-<br>Warsaw - 02-495<br>PL 48-502 150 15<br>- |
| Filer:                               | Paul Poniatowski                                                                             |
| Filer Authorized By:                 |                                                                                              |
| Attorney Docket Number:              | 16441NP                                                                                      |
| Receipt Date:                        | 19-JAN-2010                                                                                  |
| Filing Date:                         | 09-JUL-2008                                                                                  |
| Time Stamp:                          | 20:45:43                                                                                     |
| Application Type:                    | U.S. National Stage under 35 USC 371                                                         |

|                        |    |
|------------------------|----|
| Payment information:   |    |
| Submitted with Payment | no |
| File Listing:          |    |

| Document Number | Document Description | File Name     | File Size(Bytes)/ Message Digest                   | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---------------|----------------------------------------------------|------------------|------------------|
| 1               | Power of Attorney    | SCAN0074s.pdf | 852941<br>df7994189d4cd94381ec0853f5e6a548c958149d | no               | 1                |

**Warnings:**

**Information:**

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| <b>Total Files Size (in bytes):</b> | 852941 |
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 12/087,539         | 07/09/2008            | Paul Poniatowski      | 16441NP                |

PAUL PONIATONSKI  
12 - 11 KENIGA UL.  
Warsaw, 02-495  
POLAND

**CONFIRMATION NO. 2142**  
**POA ACCEPTANCE LETTER**



Date Mailed: 12/16/2009

**NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 12/03/2009.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/hchristian/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 12/087,539         | 07/09/2008            | Paul Poniatowski      | 16441NP                |

**CONFIRMATION NO. 2142**

**POWER OF ATTORNEY NOTICE**



293  
DOWELL & DOWELL P.C.  
103 Oronoco St.  
Suite 220  
Alexandria, VA 22314

Date Mailed: 12/16/2009

**NOTICE REGARDING CHANGE OF POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 12/03/2009.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/hchristian/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



IFu

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|                                                                                                                                                   |                        |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|
| <b>POWER OF ATTORNEY<br/>OR<br/>REVOCATION OF POWER OF ATTORNEY<br/>WITH A NEW POWER OF ATTORNEY<br/>AND<br/>CHANGE OF CORRESPONDENCE ADDRESS</b> | Application Number     | 12 087 539                             |
|                                                                                                                                                   | Filing Date            | 07-09-2008                             |
|                                                                                                                                                   | First Named Inventor   | PAUL PONIATOWSKI                       |
|                                                                                                                                                   | Title                  | AUDIO/VISUAL INFO. DISSEMINATION SYST. |
|                                                                                                                                                   | Art Unit               | 2614                                   |
|                                                                                                                                                   | Examiner Name          | -                                      |
|                                                                                                                                                   | Attorney Docket Number | 1644 INP                               |

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☐ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

| Practitioner(s) Name | Registration Number |
|----------------------|---------------------|
|                      |                     |
|                      |                     |
|                      |                     |
|                      |                     |

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number.

OR

☐ The address associated with Customer Number:

OR

|                                                             |                    |       |                              |
|-------------------------------------------------------------|--------------------|-------|------------------------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | PAUL PONIATOWSKI   |       |                              |
| Address                                                     | 12 - 11 KENIGA UL. |       |                              |
| City                                                        | WARSAW             | State |                              |
| Country                                                     | POLAND             | Zip   | 02-445                       |
| Telephone                                                   | 48-502 150 153     | Email | PAUL.PONIATOWSKI@HOTMAIL.COM |

I am the:

☒ Applicant/Inventor.

OR

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) (Form PTO/SB/06) submitted herewith or filed on \_\_\_\_\_

|                                              |                  |
|----------------------------------------------|------------------|
| SIGNATURE of Applicant or Assignee of Record |                  |
| Signature                                    |                  |
| Name                                         | PAUL PONIATOWSKI |
| Date                                         | 19 NOV 2008      |
| Telephone                                    | 48-502 150 153   |
| Title and Company                            | -                |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/01 (01-09)

Approved for use through 11/30/2011. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY  
OR  
REVOCATION OF POWER OF ATTORNEY  
WITH A NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

|                        |                                      |
|------------------------|--------------------------------------|
| Application Number     | 12 087 539                           |
| Filing Date            | 07-09-2008                           |
| First Named Inventor   | PAUL PONIATOWSKI                     |
| Title                  | AUDIO/VIDEO INFO DISSEMINATION SYST. |
| Art Unit               | 2614                                 |
| Examiner Name          | -                                    |
| Attorney Docket Number | 1644 INP                             |

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☐ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

| Practitioner(s) Name | Registration Number |
|----------------------|---------------------|
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|                      |                     |

Please recognize or change the correspondence address for the above-identified application to:

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OR

☐ The address associated with Customer Number:

OR

|                                                             |                    |       |                             |     |        |
|-------------------------------------------------------------|--------------------|-------|-----------------------------|-----|--------|
| <input checked="" type="checkbox"/> Firm or Individual Name | PAUL PONIATOWSKI   |       |                             |     |        |
| Address                                                     | 12 - 11 KENIGA UL. |       |                             |     |        |
| City                                                        | WARSAW             | State |                             | Zip | 02-445 |
| Country                                                     | POLAND             |       |                             |     |        |
| Telephone                                                   | 48-502 150 153     | Email | PAULPONIATOWSKI@HOTMAIL.COM |     |        |

I am the:

☒ Applicant/Inventor.

OR

☐ Assignee of record of the entire interest. See 37 CFR 3.71.☐ Statement under 37 CFR 3.73(b) (Form PTO/SB/99) submitted herewith or filed on \_\_\_\_\_

|                                              |                  |
|----------------------------------------------|------------------|
| SIGNATURE of Applicant or Assignee of Record |                  |
| Signature                                    |                  |
| Name                                         | PAUL PONIATOWSKI |
| Title and Company                            | -                |
| Date                                         | 19 NOV 2009      |
| Telephone                                    | 48-502 150 153   |

**NOTE:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NUMBER | FILING OR 371(C) DATE | FIRST NAMED APPLICANT | ATTY. DOCKET NO./TITLE |
|--------------------|-----------------------|-----------------------|------------------------|
| 12/087,539         | 07/09/2008            | Paul Poniatowski      | 16441NP                |

**CONFIRMATION NO. 2142**

## PUBLICATION NOTICE



\*OC000000037045728\*

293  
DOWELL & DOWELL P.C.  
103 Oronoco St.  
Suite 220  
Alexandria, VA 22314

**Title:**Audio/Visual Information Dissemination System

**Publication No.**US-2009-0185552-A1

**Publication Date:**07/23/2009

## NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at [www.uspto.gov](http://www.uspto.gov). The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at [www.uspto.gov](http://www.uspto.gov) using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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|                             |                       |                  |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 12/087,539                  | Paul Poniatowski      | 16441NP          |

293

Ralph A. Dowell of DOWELL & DOWELL P.C.  
2111 Eisenhower Ave  
Suite 406  
Alexandria, VA 22314

INTERNATIONAL APPLICATION NO.

PCT/CA2004/000513

I.A. FILING DATE

04/07/2004

PRIORITY DATE

**CONFIRMATION NO. 2142**  
**371 ACCEPTANCE LETTER**



Date Mailed: 04/13/2009

**NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495**

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

07/09/2008  
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1),  
(c)(2) and (c)(4) REQUIREMENTS

12/30/2008  
DATE OF COMPLETION OF ALL  
35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** *The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363).* Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Indication of Small Entity Status
- Copy of the International Application filed on 07/09/2008
- Copy of the International Search Report filed on 07/09/2008
- Oath or Declaration filed on 07/09/2008
- U.S. Basic National Fees filed on 07/09/2008
- Priority Documents filed on 07/09/2008

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

JOHN L ANDERSON

Telephone: (703) 756-1430



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|-----------------|------------|------------|
| 12/087,539            | 07/09/2008               | 3654            | 530           | 16441NP         | 17         | 2          |

CONFIRMATION NO. 2142

UPDATED FILING RECEIPT



293  
Ralph A. Dowell of DOWELL & DOWELL P.C.  
2111 Eisenhower Ave  
Suite 406  
Alexandria, VA 22314

Date Mailed: 04/13/2009

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

**Applicant(s)**

Paul Poniatowski, Toronto, ON, CANADA;

**Power of Attorney:**

Ralph Dowell--26868

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/CA2004/000513 04/07/2004

**Foreign Applications**

**If Required, Foreign Filing License Granted:** 11/19/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/087,539**

**Projected Publication Date:** 07/23/2009

**Non-Publication Request:** No

**Early Publication Request:** No

**\*\* SMALL ENTITY \*\***

**Title**

Audio/Visual Information Dissemination System

**Preliminary Class**

242

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER****Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

# DO/EO WORKSHEET

U.S. Appl. No. 12/087539

International Appl. No. CA2004/00513

Application filed by: ☐ 20 months ☐ 30 months

## WIPO PUBLICATION INFORMATION:

Publication No.: WO2004/091218 A1 Publication Language: ☒ English ☐ Japanese  
☐ German ☐ French ☐ Other: \_\_\_\_\_

Screening Done by: JFA

Publication Date: Oct 21, 2004 Not Published: ☐ U.S. only designated ☐ BP request

## INTERNATIONAL APPLICATION PAPERS IN THE APPLICATION FILE:

- |                                                                             |                                                                                  |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> International Application (RECORD COPY) | <input type="checkbox"/> International Appl. on Double Sided Paper (COPIES MADE) |
| <input type="checkbox"/> Article 19 Amendments                              | <input type="checkbox"/> Request from PCT/RO/101                                 |
| <input type="checkbox"/> PCT/MB/331                                         | <input checked="" type="checkbox"/> PCT/ISA/210 - Search Report                  |
| <input type="checkbox"/> PCT/PEA/409 IPR (PCT/PEA/416 on front)             | <input type="checkbox"/> Search Report References                                |
| <input type="checkbox"/> Annexes to 409                                     | <input type="checkbox"/> Other: _____                                            |
| <input checked="" type="checkbox"/> Priority Document (s) No. <u>1</u>      |                                                                                  |

## RECEIPTS FROM THE APPLICANT (other than checked above):

- |                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Basic National Fee (or authorization to charge)                                                                                                                                                                                                               | <input type="checkbox"/> Preliminary Amendment(s) Filed on: _____                                                                     |
| <input checked="" type="checkbox"/> Description                                                                                                                                                                                                                                                   | <input type="checkbox"/> Information Disclosure Statement(s) Filed on: _____                                                          |
| <input checked="" type="checkbox"/> Claims                                                                                                                                                                                                                                                        | <input type="checkbox"/> Assignment Document                                                                                          |
| <input checked="" type="checkbox"/> Words in the Drawing Figure(s) - (# of dws. <u>3</u> )                                                                                                                                                                                                        | <input type="checkbox"/> Power of Attorney/ Change of Address                                                                         |
| <input type="checkbox"/> Article 19 Amendments<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered:<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other: _____ | <input type="checkbox"/> Substitute Specification Filed on: _____                                                                     |
| <input type="checkbox"/> Annexes to 409<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered:<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other: _____        | <input checked="" type="checkbox"/> Small Entity                                                                                      |
|                                                                                                                                                                                                                                                                                                   | <input checked="" type="checkbox"/> Oath/ Declaration (executed)<br><input type="checkbox"/> surcharge was paid at the time of filing |
|                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> DNA Diskette <input type="checkbox"/> Sequence Listing                                                       |
|                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Other: 1. _____ 2. _____                                                                                     |

NOTES: ☐ LA used as Specification ☐ Other: \_\_\_\_\_

35 U.S.C. 371 - Receipt of Request (PTO-1390)

July 9, 2008

Date Acceptable Oath/Declaration Received

July 9, 2008

Date of Completion of requirements under 35 U.S.C. 371

July 9, 2008

102(c) Date

Dec 30, 2008

Date of Completion of DO/EO 903 - Notification of Acceptance

Apr 9, 2009

Date of Completion of DO/EO 905 - Notification of Missing Requirements

Date of Completion of DO/EO 906 - Notification of Missing 102(c) Requirements

Date of Completion of DO/EO 907 - Notification of Acceptance for 102(c) Date

Date of Completion of DO/EO 909 - Notification of Abandonment

Date of Completion of DO/EO 911 - Application Accepted Under 35 U.S.C. 111

Date of Completion of DO/EO 916 - Notification of Defective Response

Date of Completion of DO/EO 910 - Notification to Comply w/ Seq. Requirements



IAP19 Rec'd PCT/PTO 30 DEC 2008

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul Poniatowski  
Appl. No. : 12/087,539  
Filed : 04/07/2004  
Title : Audio/Visual Information Dissemination System

Grp./A.U. : DO/EO/US  
Examiner :

Docket No.: 16441NP

Honorable Commissioner of Patents  
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF INSUFFICIENT FEES

Submitted herewith is a copy of the above Notice together with a check in the amount of \$65.00 which includes the government surcharge. Any deficiencies in the fees may be charged to Deposit Account No. 04-1577.

It is now believed that the application should be ready for normal processing. In the event any additional information is required by the Application Branch it would be appreciated if they would contact the undersigned attorney of record at the telephone number shown below.

Respectfully submitted,

DOWELL & DOWELL, P. C.

Ralph A. Dowell, Reg. No.: 26,868

Date: December 30, 2008

DOWELL & DOWELL, P. C.  
Suite 406, 2111 Eisenhower Avenue  
Alexandria, VA 22314  
Telephone: (703) 415-2555  
Customer Number: 000293

MP - 0120.09



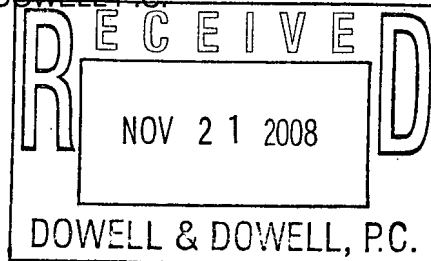
## UNITED STATES PATENT AND TRADEMARK OFFICE

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|                                           |                                           |                             |
|-------------------------------------------|-------------------------------------------|-----------------------------|
| U.S. APPLICATION NUMBER NO.<br>12/087,539 | FIRST NAMED APPLICANT<br>Paul Poniatowski | ATTY. DOCKET NO.<br>16441NP |
|-------------------------------------------|-------------------------------------------|-----------------------------|

293

Ralph A. Dowell of DOWELL & DOWELL P.C.  
 2111 Eisenhower Ave  
 Suite 406  
 Alexandria, VA 22314



|                                                    |               |
|----------------------------------------------------|---------------|
| INTERNATIONAL APPLICATION NO.<br>PCT/CA2004/000513 |               |
| I.A. FILING DATE<br>04/07/2004                     | PRIORITY DATE |

**CONFIRMATION NO. 2142**  
**371 FORMALITIES LETTER**



OC000000033190031

Date Mailed: 11/20/2008

**Notification of Insufficient Fees (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Copy of the International Application filed on 07/09/2008
- Copy of the International Search Report filed on 07/09/2008
- Oath or Declaration filed on 07/09/2008
- U.S. Basic National Fees filed on 07/09/2008
- Priority Documents filed on 07/09/2008

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$65** for a Small Entity:

- **\$65** Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

12/31/2008 EFLORES 00000043 12087539

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65.00 0P

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**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

JOHN L ANDERSON

---

Telephone: (703) 308-9140 EXT 211



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United States Patent and Trademark Office  
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|                             |                       |                  |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 12/087,539                  | Paul Poniatowski      | 16441NP          |

293

Ralph A. Dowell of DOWELL & DOWELL P.C.  
2111 Eisenhower Ave  
Suite 406  
Alexandria, VA 22314

INTERNATIONAL APPLICATION NO.

PCT/CA2004/000513

I.A. FILING DATE

04/07/2004

PRIORITY DATE

**CONFIRMATION NO. 2142**  
**371 FORMALITIES LETTER**



\*OC000000033190031\*

Date Mailed: 11/20/2008

**Notification of Insufficient Fees (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Copy of the International Application filed on 07/09/2008
- Copy of the International Search Report filed on 07/09/2008
- Oath or Declaration filed on 07/09/2008
- U.S. Basic National Fees filed on 07/09/2008
- Priority Documents filed on 07/09/2008

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$65** for a Small Entity:

- **\$65** Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

JOHN L ANDERSON

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Telephone: (703) 308-9140 EXT 211



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION<br>NUMBER | FILING or<br>371(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLAIMS | IND CLAIMS |
|-----------------------|--------------------------|-----------------|---------------|-----------------|------------|------------|
| 12/087,539            | 07/09/2008               | 3654            | 465           | 16441NP         | 17         | 2          |

CONFIRMATION NO. 2142

293

Ralph A. Dowell of DOWELL & DOWELL P.C.  
2111 Eisenhower Ave  
Suite 406  
Alexandria, VA 22314

FILING RECEIPT



\*OC000000033190030\*

Date Mailed: 11/20/2008

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

**Applicant(s)**

Paul Poniatowski, Toronto, ON, CANADA;

**Power of Attorney:**

Ralph Dowell--26868

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/CA2004/000513 04/07/2004

**Foreign Applications**

**If Required, Foreign Filing License Granted:** 11/19/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/087,539**

**Projected Publication Date:** 371 Supplemental Fees Missing

**Non-Publication Request:** No

**Early Publication Request:** No

**\*\* SMALL ENTITY \*\***

**Title**

Audio/Visual Information Dissemination System

**Preliminary Class**

242

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER****Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

# DO/EO WORKSHEET

U.S. Appl. No. 12/087539

International Appl. No. CA2004/000513

Application filed by: ☐ 20 months ☐ 30 months

## WIPO PUBLICATION INFORMATION:

Publication No.: WO2004/091218 A1 Publication Language: ☒ English ☐ Japanese  
☐ German ☐ French ☐ Other: \_\_\_\_\_

Screening Done by: \_\_\_\_\_

Publication Date: Oct 21, 2004 Not Published: ☐ U.S. only designated ☐ EP request

## INTERNATIONAL APPLICATION PAPERS IN THE APPLICATION FILE:

- |                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> International Application (RECORD COPY)<br><input type="checkbox"/> Article 19 Amendments<br><input type="checkbox"/> PCT/IB/331<br><input type="checkbox"/> PCT/PEA/409 IPR (PCT/PEA/416 on front)<br><input type="checkbox"/> Annexes to 409<br><input checked="" type="checkbox"/> Priority Document (s) No. <u>1</u> | <input type="checkbox"/> International Appl. on Double Sided Paper (COPIES MADE)<br><input type="checkbox"/> Request Form PCT/RO/101<br><input checked="" type="checkbox"/> PCT/ISA/210 - Search Report<br><input type="checkbox"/> Search Report References<br><input type="checkbox"/> Other: _____ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## RECEIPTS FROM THE APPLICANT (other than checked above):

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Basic National Fee (or authorization to charge)<br><input checked="" type="checkbox"/> Description<br><input checked="" type="checkbox"/> Claims<br><input checked="" type="checkbox"/> Words in the Drawing Figure(s) - (# of dwgs. <u>3</u> )<br><input type="checkbox"/> Article 19 Amendments<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered:<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other: _____<br><input type="checkbox"/> Annexes to 409<br><input type="checkbox"/> english transl. of annexes NOT present<br><input type="checkbox"/> entered <input type="checkbox"/> not entered:<br><input type="checkbox"/> not a page for page substitution<br><input type="checkbox"/> other: _____ | <input type="checkbox"/> Preliminary Amendment(s) Filed on: _____<br><input type="checkbox"/> Information Disclosure Statement(s) Filed on: _____<br><input type="checkbox"/> Assignment Document<br><input type="checkbox"/> Power of Attorney/ Change of Address<br><input type="checkbox"/> Substitute Specification Filed on: _____<br><input checked="" type="checkbox"/> Small Entity<br><input checked="" type="checkbox"/> Oath/Declaration (executed)<br><input type="checkbox"/> surcharge was paid at the time of filing<br><input type="checkbox"/> DNA Diskette <input type="checkbox"/> Sequence Listing<br><input type="checkbox"/> Other: 1. _____ 2. _____ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTES: ☐ LA used as Specification ☐ Other: \_\_\_\_\_

35 U.S.C. 371 - Receipt of Request (PTO-1390)

July 9, 2008

Date Acceptable Oath/Declaration Received

July 9, 2008

Date of Completion of requirements under 35 U.S.C. 371

102(e) Date

Date of Completion of DO/EO 903 - Notification of Acceptance

Date of Completion of DO/EO 905 - Notification of Missing Requirements

Nov 19, 2008 (923)

Date of Completion of DO/EO 906 - Notification of Missing 102(e) Requirements

Date of Completion of DO/EO 907 - Notification of Acceptance for 102(e) Date

Date of Completion of DO/EO 909 - Notification of Abandonment

Date of Completion of DO/EO 911 - Application Accepted Under 35 U.S.C. 111

Date of Completion of DO/EO 916 - Notification of Defective Response

Date of Completion of DO/EO 910 - Notification to Comply w/ Seq. Requirements

## PATENT APPLICATION FEE DETERMINATION RECORD

Effective September 30, 2007

Application or Docket Number

12/087539

## CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

| U.S. NATIONAL STAGE FEES                                  |                                                                   |                                      |
|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------|
| BASIC FEE                                                 | SMALL ENT. = \$155                                                | LARGE ENT. = \$310                   |
| EXAMINATION FEE                                           | Satisfies PCT Article 33(1)-(4) = \$50 / \$100                    | All other situations = \$100 / \$200 |
| SEARCH FEE                                                | U.S. is ISA = \$50 / \$100<br>ALL other countries = \$205 / \$410 | ALL other situations = \$255 / \$510 |
| FEE FOR EXTRA SPEC. PGS.                                  | minus 100 =                                                       | /50 =                                |
| TOTAL CHARGEABLE CLAIMS                                   | 17 minus 20 =                                                     | -                                    |
| INDEPENDENT CLAIMS                                        | 2 minus 3 =                                                       | -                                    |
| MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/> |                                                                   |                                      |

\* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY  
TYPE ☐

OR

OTHER THAN  
SMALL ENTITY

| RATE       | FEE |    | RATE       | FEE |
|------------|-----|----|------------|-----|
| BASIC FEE  | 155 | OR | BASIC FEE  |     |
| EXAM. FEE  | 105 |    | EXAM. FEE  |     |
| SEARCH FEE | 205 |    | SEARCH FEE |     |
| X\$130     |     |    | X\$260     |     |
| X \$ 25 =  |     | OR | X \$ 50 =  |     |
| X \$ 105 = |     | OR | X \$ 210 = |     |
| \$185      |     | OR | \$370      |     |
| TOTAL      | 465 | OR | TOTAL      |     |

## CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

| AMENDMENT A                                                             | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |       | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |
|-------------------------------------------------------------------------|-------------------------------------------|-------|---------------------------------------------|------------------|
| Total                                                                   | *                                         | Minus | **                                          | =                |
| Independent                                                             | *                                         | Minus | ***                                         | =                |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/> |                                           |       |                                             |                  |

SMALL ENTITY

OR

OTHER THAN  
SMALL ENTITY

| RATE                | ADDI-<br>TIONAL<br>FEE |    | RATE                | ADDI-<br>TIONAL<br>FEE |
|---------------------|------------------------|----|---------------------|------------------------|
| X \$ 25 =           |                        | OR | X \$ 50 =           |                        |
| X\$105              |                        | OR | X\$210              |                        |
| \$185               |                        | OR | \$370               |                        |
| TOTAL ADDIT.<br>FEE |                        | OR | TOTAL ADDIT.<br>FEE |                        |

(Column 1)

(Column 2)

(Column 3)

| AMENDMENT B                                                             | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |       | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |
|-------------------------------------------------------------------------|-------------------------------------------|-------|---------------------------------------------|------------------|
| Total                                                                   | *                                         | Minus | **                                          | =                |
| Independent                                                             | *                                         | Minus | ***                                         | =                |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/> |                                           |       |                                             |                  |

| RATE                | ADDI-<br>TIONAL<br>FEE |    | RATE                | ADDI-<br>TIONAL<br>FEE |
|---------------------|------------------------|----|---------------------|------------------------|
| X \$ 25 =           |                        | OR | X \$ 50 =           |                        |
| X\$105              |                        | OR | X\$210              |                        |
| \$185               |                        | OR | \$370               |                        |
| TOTAL ADDIT.<br>FEE |                        | OR | TOTAL ADDIT.<br>FEE |                        |

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than "20", enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than "3", enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

**MULTIPLE DEPENDENT CLAIM  
FEE CALCULATION SHEET**  
(FOR USE WITH FORM PTO-875)

SERIAL NO.

12/087539

FILING DATE

APPLICANT(S)

**CLAIMS**

|              | AS FILED |      | AFTER<br>1 <sup>st</sup> AMENDMENT |      | AFTER<br>2 <sup>nd</sup> AMENDMENT |      |
|--------------|----------|------|------------------------------------|------|------------------------------------|------|
|              | IND.     | DEP. | IND.                               | DEP. | IND.                               | DEP. |
| 1            | 1        |      |                                    |      |                                    |      |
| 2            |          | 1    |                                    |      |                                    |      |
| 3            |          | 1    |                                    |      |                                    |      |
| 4            |          | 1    |                                    |      |                                    |      |
| 5            |          | 1    |                                    |      |                                    |      |
| 6            |          | 1    |                                    |      |                                    |      |
| 7            |          | 1    |                                    |      |                                    |      |
| 8            |          | 1    |                                    |      |                                    |      |
| 9            |          | 1    |                                    |      |                                    |      |
| 10           |          | 1    |                                    |      |                                    |      |
| 11           | 1        |      |                                    |      |                                    |      |
| 12           |          | 1    |                                    |      |                                    |      |
| 13           |          | 1    |                                    |      |                                    |      |
| 14           |          | 1    |                                    |      |                                    |      |
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| 50           |          |      |                                    |      |                                    |      |
| TOTAL IND.   | 2        | ↓    |                                    | ↓    |                                    | ↓    |
| TOTAL DEP.   | 15       | ←    |                                    | ←    |                                    | ←    |
| TOTAL CLAIMS | 17       |      |                                    |      |                                    |      |

|              | AS FILED |      | AFTER<br>1 <sup>st</sup> AMENDMENT |      | AFTER<br>2 <sup>nd</sup> AMENDMENT |      |
|--------------|----------|------|------------------------------------|------|------------------------------------|------|
|              | IND.     | DEP. | IND.                               | DEP. | IND.                               | DEP. |
| 51           |          |      |                                    |      |                                    |      |
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| 97           |          |      |                                    |      |                                    |      |
| 98           |          |      |                                    |      |                                    |      |
| 99           |          |      |                                    |      |                                    |      |
| 100          |          |      |                                    |      |                                    |      |
| TOTAL IND.   |          | ↓    |                                    | ↓    |                                    | ↓    |
| TOTAL DEP.   |          | ←    |                                    | ←    |                                    | ←    |
| TOTAL CLAIMS |          |      |                                    |      |                                    |      |

Document code: WFEE

United States Patent and Trademark Office  
Sales Receipt for Accounting Date: 11/19/2008

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Credit Card Refund Total:      \$50.00

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27 JULY 2004 27-07-04

REC'D 23 AUG 2004

WIPO

PCT

PA 1194434

**THE UNITED STATES OF AMERICA****TO ALL TO WHOM THESE PRESENTS SHALL COME:****UNITED STATES DEPARTMENT OF COMMERCE****United States Patent and Trademark Office**

July 15, 2004

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 10/407,222

FILING DATE: April 07, 2003

**PRIORITY  
DOCUMENT**SUBMITTED OR TRANSMITTED IN  
COMPLIANCE WITH RULE 17.1(a) OR (b)

By Authority of the  
**COMMISSIONER OF PATENTS AND TRADEMARKS**



**P. SWAIN**  
Certifying Officer

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Attorney Docket No.    | 42092-0001                                       |
| First Inventor         | Paul Poniatowski                                 |
| Title                  | AUDIO/VISUAL INFORMATION DISSEMINATION<br>SYSTEM |
| Express Mail Label No. |                                                  |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 14)  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Pages     ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

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7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_

Prior application Information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

|         |                    |           |              |          |              |
|---------|--------------------|-----------|--------------|----------|--------------|
| Name    | Cassan Maclean     |           |              |          |              |
| Address | Suite 401          |           |              |          |              |
|         | 80 Aberdeen Street |           |              |          |              |
| City    | Ottawa             | State     | Ontario      | Zip Code | K1S 5R5      |
| Country | Canada             | Telephone | 613-238-6404 | Fax      | 613-230-8755 |

|                   |                 |                                   |            |
|-------------------|-----------------|-----------------------------------|------------|
| Name (Print/Type) | Arturo A. Brion | Registration No. (Attorney/Agent) | 51,374     |
| Signature         |                 | Date                              | 04/04/2003 |

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**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$) 375.00

**Complete if Known**

Application Number

Filing Date

First Named Inventor

Paul Poniatowski

Examiner Name

Art Unit

Attorney Docket No.

42092-0001

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 750                   | 2001 375                   | Utility filing fee     | 375.00   |
| 1002 330                   | 2002 165                   | Design filing fee      |          |
| 1003 520                   | 2003 260                   | Plant filing fee       |          |
| 1004 750                   | 2004 375                   | Reissue filing fee     |          |
| 1005 160                   | 2005 80                    | Provisional filing fee |          |

**SUBTOTAL (1)** (\$) 375.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 13                 | -20** =      | X              |          |
| 2                  | -3** =       | X              |          |
| Multiple Dependent |              |                |          |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description                                            |
|----------------------------|----------------------------|------------------------------------------------------------|
| 1202 18                    | 2202 9                     | Claims in excess of 20                                     |
| 1201 84                    | 2201 42                    | Independent claims in excess of 3                          |
| 1203 280                   | 2203 140                   | Multiple dependent claim, if not paid                      |
| 1204 84                    | 2204 42                    | ** Reissue independent claims over original patent         |
| 1205 18                    | 2205 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description                                                            | Fee Paid |
|---------------|---------------|----------------------------------------------------------------------------|----------|
| 1051 130      | 2051 65       | Surcharge - late filing fee or oath                                        |          |
| 1052 50       | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130      | 1053 130      | Non-English specification                                                  |          |
| 1812 2,520    | 1812 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*     | 1804 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*   | 1805 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110      | 2251 55       | Extension for reply within first month                                     |          |
| 1252 410      | 2252 205      | Extension for reply within second month                                    |          |
| 1253 930      | 2253 465      | Extension for reply within third month                                     |          |
| 1254 1,450    | 2254 725      | Extension for reply within fourth month                                    |          |
| 1255 1,970    | 2255 985      | Extension for reply within fifth month                                     |          |
| 1401 320      | 2401 160      | Notice of Appeal                                                           |          |
| 1402 320      | 2402 160      | Filing a brief in support of an appeal                                     |          |
| 1403 280      | 2403 140      | Request for oral hearing                                                   |          |
| 1451 1,510    | 1451 1,510    | Petition to institute a public use proceeding                              |          |
| 1452 110      | 2452 55       | Petition to revive - unavoidable                                           |          |
| 1453 1,300    | 2453 650      | Petition to revive - unintentional                                         |          |
| 1501 1,300    | 2501 650      | Utility issue fee (or reissue)                                             |          |
| 1502 470      | 2502 235      | Design issue fee                                                           |          |
| 1503 630      | 2503 315      | Plant issue fee                                                            |          |
| 1460 130      | 1460 130      | Petitions to the Commissioner                                              |          |
| 1807 50       | 1807 50       | Processing fee under 37 CFR 1.17(q)                                        |          |
| 1808 180      | 1808 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40       | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809 750      | 2809 375      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 750      | 2810 375      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 750      | 2801 375      | Request for Continued Examination (RCE)                                    |          |
| 1802 900      | 1802 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) 0.00**SUBMITTED BY**

Name (Print/Type)

Arturo A. Brion

Registration No.

51,374

(Complete if applicable)

Telephone 613-238-6404

Signature

Date

04/04/2003

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42092-0001

**AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM**Field of the Invention

[00001] The present invention relates to information dissemination systems and is particularly applicable but is not limited to systems and methods for distributing information to the general public at publicly accessible locations.

Background to the Invention

[00002] The reason communications revolution has increased the amount of data available to the public. The public's hunger for more and more information has been whetted by this excess of information.

[00003] Current systems for information dissemination, especially for disseminating to the members of the public who take public means of transportation, are currently inadequate. These systems are solely visual and static. Sandwich boards, billboards, and other very old static forms of advertising are used for such ends. However, as noted above, these systems are inadequate. Such static forms are purely visual and cannot be readily changed in response to changed conditions. Unfortunately, the ubiquity of televisions and computers have had a deleterious effect on the attention span of the average person. As such, current static systems are unable to keep people's attention.

[00004] Another major drawback of current systems is the lack of an audio component. Again, the proliferation of multi-media devices and the ubiquity of multi-media in today's society has the public clamouring for the same presentation type in almost all of their information input. While there are some information dissemination systems that integrate an audio portion (such as publicly accessible television sets), these can be intrusive and annoying to those who do not wish to take advantage of the system.

[00005] There is therefore a need for an information dissemination system that

integrates both video and audio components while simultaneously avoiding becoming an annoyance to those not wishing to access the information being disseminated. Such an information dissemination system should also be dynamic in that modifying the information content should be relatively simple. Furthermore, the system should be able to keep end users (i.e. the public, especially those who are travelling in public transportation vehicles) occupied and should be able to hold their attention. Finally, it is also very desirable if such a system would be cost effective and financially self sustaining. It is therefore an object of the present invention to mitigate if not overcome the deficiencies of the prior art.

#### Summary of the Invention

[00006] The present invention relates to systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

[00007] In a first aspect, the present invention provides a system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:

- a network hub for receiving said information from a source;

- a plurality of publicly viewable video display screens;
  - at least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;
  - at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users;
  - a telephone interface for receiving end user telephone call for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input,
- wherein at least one audio feed is synchronized with one of the at least one video feed.

[00008] In a second aspect, the present invention provides a system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;
- at least one audio distribution hub receiving said at least one audio feed from said network hub:
- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.

#### Brief Description of the Drawings

[00009] A better understanding of the invention will be obtained by considering the detailed description below, with reference to the following drawings in which:

Figure 1 is a block diagram of a system for distributing information according to one aspect of the invention; and

Figure 2 is a block diagram of an example setup for a video display screen for use with

the system of Figure 1.

#### Detailed Description

[00010] Referring to Figure 1, a block diagram of a system for distributing information is illustrated. The system has 10 has a network hub 20, multiple video distribution hubs 30A-30E, audio distribution hubs 40A, 40B, and at least one telephone interface 50. The network hub receives multiple audio feeds 60, video feeds 70, and hub end combined audio/video feeds 80 from a variety of sources. These feeds are then separated into dedicated audio only and video-only feeds. The dedicated audio-only feeds are sent to the audio distribution hubs 40A, 40B while the dedicated video-only feeds are sent to the video distribution hubs 30A-30E. At the video distribution hubs, the relevant video only feeds are transmitted to multiple video display screens 90A-90K by transmitters 100A-100E. On the audio side, the telephone interface 50 receives the dedicated audio only feed and routes this to the telephone interface 50. The telephone interface 50 receives telephone calls from end users who wish to access one of the audio feeds. The end users, who could be calling and using their mobile or cellular telephones, can select one of the available audio feeds. Based on the end user input, the interface 50 selects the relevant audio feed and routes this feed to the relevant end user.

[00011] The network hub 20 can be seen as an audio/video feed aggregator - it receives feeds from a variety of sources and collects and combines these feeds into two signals, a dedicated audio feed and a dedicated video feed. The sources from which the feeds originate may be legion - the feeds could come from the Internet, a cable TV provider, broadcast TV, broadcast radio, a dedicated video or audio signal specifically created for the system, or any other source. The network hub 20 separates the feeds depending on the content - video feeds are separated and routed differently from audio feeds using well-known methods and techniques. Video feeds are aggregated into a first single signal with different video feeds occupying different parts or frequencies of that first single signal. Audio feeds are aggregated into a second single signal with different audio feeds occupying different parts or frequencies of that

second single signal. The video feed signal (the first single signal) is then transmitted to the video distribution hubs 30A-30E. The audio feed signal (the second single signal) is transmitted to the audio distribution hubs 40A, 40B.

[00012] Regarding the video distribution hubs 30A - 30E, each one can "tune" into or isolate one of the video feeds aggregated into the video feed signal from the network hub 20. The video feed that a distribution hub tunes into is then passed to a corresponding transmitter. A transmitter then transmits the video feed to multiple video display screens. Each video distribution hub 30A-30E can be a video tuner which tunes to a specific video feed in the video feed signal. Such tuners are well-known in the art.

[00013] The transmitters 100A-100E may be, depending on the implementation, wireless, wired, or optical transmitters. The transmitters 100A-100E transmit the isolated or tuned into video feed to the different video display screens. Each video transmission hub and transmitter combination services video display screens located at a specific geographic area. Thus, one geographic area may have display screens 90A, 90B, 90C, showing video feed A as tuned to by video transmission hub 30A while another geographic area may have display screens 90G, 90H showing video feed B as tuned to by video transmission hub 30D. Such an arrangement allows area - or region - centric video feeds to be distributed to the proper areas. Such an arrangement also allows the system to quickly change what is being shown in the video display screen in a specific area. As an example, if an important bulletin alert occurs and is in a video Q, all of the video distribution hubs 30A-30E could automatically switch to video feed Q, ensuring quick dissemination of the bulletin alert to the video display screens serviced by video transmission hubs 30A-30E. Similarly, if the video feed to be sent to a specific geographic area is to be changed, then only the transmission hub which services that specific geographic area needs to have any changes made. That transmission hub may merely need to tune into a different video feed.

[00014] It should be noted that, to assist the viewing public in determining the content of the video feed being shown on the display screens, each video feed can be provided with closed captioning. This way, viewers can read the text of the audio for the video feed. It should further be noted that advertising and other relevant data may

be inserted into each of the video feeds. This may be done by dividing the visual representation of the video feed into separate areas, with each area being provided with different data. As an example, Figure 2 illustrates one possible configuration of the visual representation. Area 200 may have the actual moving video being presented (such as a newscast, a situation comedy, or a soap opera program). Area 210 may present the weather forecast for the city, area 220 may present a stock market report and area 230 may present sports scores. Area 240 may be reserved for the closed captioning for the video in area 200 and area 250 may be provided for advertisements that are targeted to the end users. As noted above, the video portions of the presentation (presented in area 200) may be different for different areas. Similarly, different advertisements may be presented for different geographic areas. Ideally, up to  $\frac{3}{4}$  of the display screen may be devoted to advertising space. Devoting such a high proportion of the screen to revenue generating advertising should produce enough revenue for the operation of the system.

[00015] Regarding the video display screens 90A-90K, these display screens are ideally deployed at publicly viewable areas. These may be deployed inside public transportation vehicles such as subway cars and buses and they may be deployed as static installations in subway/bus stations, busy street corners, and other areas of populace concentration. Plasma display screens may be used as the display screens and, in one embodiment, such screens may be hardened and configured to withstand the elements for an outside deployment. Such a deployment may be placed outside moving vehicles such as buses, thereby providing information dissemination to not only commuters inside the vehicle but commuters outside the vehicle as well. For such mobile deployments, wireless technology may be used to transmit the video feed to the video display screens. For static deployments, wired technology such as cable, optical, and other well-known technologies, may be used for the transmission of the video feed to the video display screens. Other static deployments such as inside public transportation vehicles may use flat computer monitors to minimize deployment costs.

[00016] To further lower deployment costs, manufacturers of the display screens could offer preferential pricing for their screens to those deploying and operating the

system. Such a measure would provide the manufacturers free advertising as the public would be exposed to their product for free.

[00017] The audio portion of the system 10 operates in a similar manner with one important difference - end users can select which audio feed to access. As noted above, the audio feed signal is received by the audio transmission hubs 40A, 40B. The different audio feeds can be accessed by tuning into or isolating the relevant audio feed from the rest of the audio feed signal. This is what the telephone interface 50 does, along with automatically receiving end user telephone calls and automatically routing the relevant audio feed to the relevant end user telephone call. The telephone interface 50 has multiple tuners with each tuner isolating or tuning into one of the audio feeds in the audio feed signal. Upon a request by an end user who is calling in, the relevant audio feed is diverted or routed to this end user.

[00018] The telephone interface 50 acts as an access point for end users. End users can call into the telephone interface (with the relevant telephone number perhaps flashed on the video display screens) and access a specific audio feed. To present a complete audio visual experience in conjunction with that with what is being presented on the video display screens, at least one of the audio feeds could be synchronized with the presentation on the video display screens. As an example, if geographic area A is showing video show A1 on screens 90A-90C and geographic area B is showing video show A2 on screens 90I-90K, end users in area A would need to access the audio feed synchronized the video show A1 while end users in the area B would need to access the audio feed synchronized to the video show A2. This may be done by an end user calling the telephone interface 50 and, after navigating an automated answering and menu system, accessing the relevant audio feed. This answering and menu system is well-known technology and is readily available. Thus, an end user in area A would, to get the proper audio visual experience, access a different audio feed from that accessed by an end user in area B. As yet another variant, the audio feed synchronized to a specific video show could be presented in different languages as separate audio feeds. As an example, video show A1 showing on screens 90A-90C could be synchronized to three different audio feeds - one audio feed being in English,

another audio feed being in French, and a third audio feed being in Chinese. As such, an end user could access anyone of the video feeds synchronized to that specific video show in the language of preference for the end user. Thus, a single video feed being presented in a specific geographic area could be accessible to people who do not necessarily speak the exact same language. Similarly, the closed captioning presented on the video display screens could be presented in multiple languages or, if one language is predominant in a specific area, the closed captioning could be presented in that single language. The technology for routing audio feeds synchronized to a video feed is currently available and used in passenger aircraft that provides in-flight entertainment. Adapting such technology with appropriate telephone menu technology will produce the requisite telephone interface described above.

[00019] It should be noted that the audio feeds available need not all be synchronized to the video feeds. Other audio feeds, such as audio feeds that provide music, commentary, radio station feeds, and others, may be available, depending on the implementation. This system is ideally suited to be accessed by commuters with cellular or mobile phones 260. Commuters, while on their morning or afternoon commute may view the video display screens inside the public transportation vehicle or in the stations while waiting for the vehicles. In concert with this, the commuters can use their mobile telephones to call the telephone interface and listen in on the audio portion of the program being presented in area 200 of the video display screen. Alternatively, the commuter may decide not to view the video program on the video display screen but merely listen to some other audio program being presented as a separate audio feed through his or her mobile telephone. However, the system need not be limited to mobile telephones. End users who have, ideally, a landline speaker phone may also access the telephone interface to listen to the different available audio feeds at work or at home. To address the different tastes of different types of people, themed audio feeds, such as all-sports, all-classical music, all-news or all-music (with different audio feeds for different types of music) may also be available.

[00020] To accommodate the different regions in a large geographic area, multiple telephone interface/audio transmission hubs may be implemented, with different

telephone interfaces serving different areas.

[00021] To allow for a financially self-sustaining system, advertising space may be sold on either the video feeds (as explained above) or in the audio feeds. Advertisements may be sold on a per display screen basis, a regional coverage basis, or on a visibility (time visible on screen) basis. Similarly, subscription fees may be collected from end users who wish to access the audio feed. Alternatively, the system could be free to mobile telephone users with the operational and deployment costs being borne by advertisers and/or public transportation bodies.

[00022] The system described above is flexible enough for many different types of advertising and promotions. As an example, advertisers could include in their advertising a specific telephone code which users may enter while listening to an audio feed. Entering the code would then automatically connect the end user to the advertiser's telephone call-in center so the end user can then take advantage of the offer (e.g. a vacation trip for a low promotional price). Alternatively, end users may establish an account, with their credit cards on file, with the operators of the system. These end users may then do their shopping over the telephone based on what is being advertised on the display screens. End user choices, such as the colour, size, or type of merchandise, could be entered by the end user via the telephone keypad. To verify an end user's identity, PIN (personal identification numbers) could be associated with each end user account. Such PIN numbers would be required to validate/finalize the transaction before the end user's credit card is charged and before the item is shipped to the end user's on-file address.

[00023] The system also offers a myriad of advantages to society and the public in general. It may be used as part of a public broadcasting system to inform the populace of alerts or emergencies. It can also increase literacy as those without mobile phones will need to read the closed captioning and/or the text on-screen to determine what is being presented. It will also produce greater usage of public transportation vehicles as passengers are not only transported from one place to another but are also entertained. Such an increase in ridership may also augur a decrease in the number of vehicles on the road, thereby leading to a more environment-friendly society. The increased

advertising may also lead to greater consumer spending, thereby fueling economic growth for the areas where the system is deployed.

[00024] Although various exemplary embodiments of the invention have been disclosed, it should be apparent to those skilled in the art that various changes and modifications can be made which will achieve some of the advantages of the invention without departing from the true scope of the invention.

[00025] A person understanding this invention may now conceive of alternative structures and embodiments or variations of the above all of which are intended to fall within the scope of the invention as defined in the claims that follow.

42092-0001

We claim:

1. A system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:

- a network hub for receiving said information from a source;
  - a plurality of publicly viewable video display screens;
  - at least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;
  - at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users;
  - a telephone interface for receiving end user telephone call for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input,
- wherein at least one audio feed is synchronized with one of the at least one video feed.

2. A system according to claim 1 wherein said network hub receives said information as separate video and audio feeds.

3. A system according to claim 1 wherein at least one audio feed received by said network hub is a thermal audio feed.

4. A system according to claim 1 wherein at least one of said plurality of publicly viewable video display screens receives a video feed from said video distribution hub by wireless means.

5. A system according to claim 1 wherein at least one of said plurality of publicly viewable video display screens receives a video feed from said video distribution hub through a closed circuit network.
6. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed outside a vehicle.
7. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed inside a vehicle.
8. A system according to claim 1 wherein said network hub receives multiple video feeds, each of said multiple video feeds being transmitted to said video display screens located in different geographic regions.
9. A system according to claim 1 wherein said at least one video feed is provided with closed captioning.
10. A system according to claim 1 wherein said at least one video feed is provided with advertisements.
11. A system for providing at least one audio feed to end users, the system comprising:
  - a network hub for receiving at least one audio feed;
  - at least one audio distribution hub receiving said at least one audio feed from said network hub;
  - a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.
12. A system according to claim 11 wherein a plurality of audio feeds are received by

said network hub and at least one of said plurality of audio feeds is synchronized with a video feed.

13. A system according to claim 12 wherein said video feed is publicly viewable.

42092-0001

**Abstract**

Systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

42092-0001

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint practitioners named below:

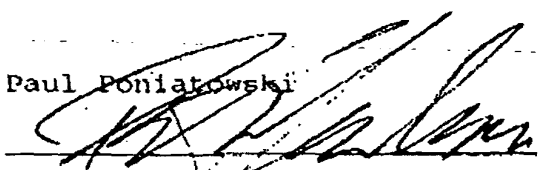
| <u>NAME</u>      | <u>Reg. No.</u> |
|------------------|-----------------|
| P. Scott Maclean | 39,543          |
| Lynn S. Cassan   | 32,378          |
| Arturo A. Brion  | 51,374          |
| Allan P. Millard | 43,397          |

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

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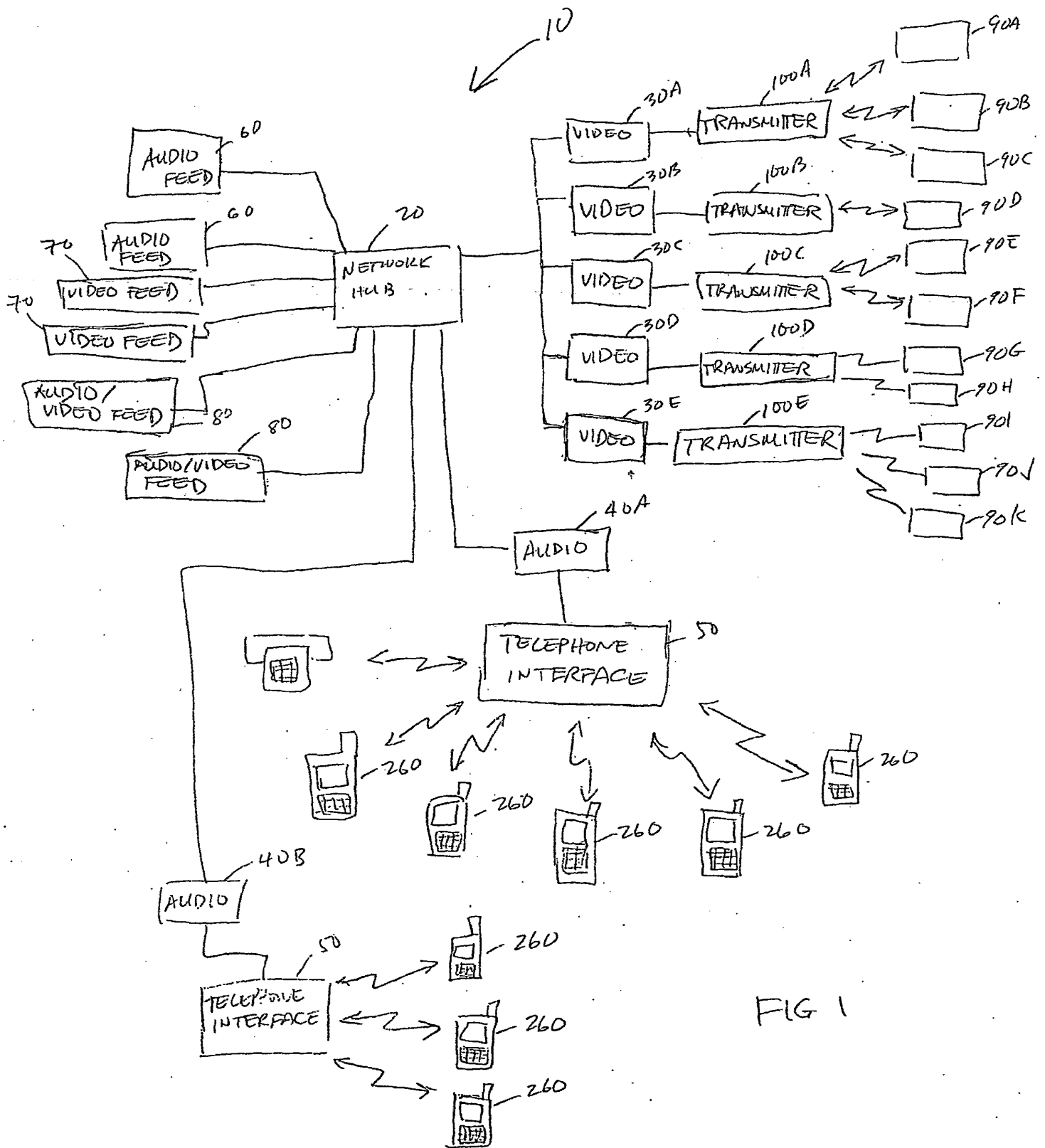


FIG 1

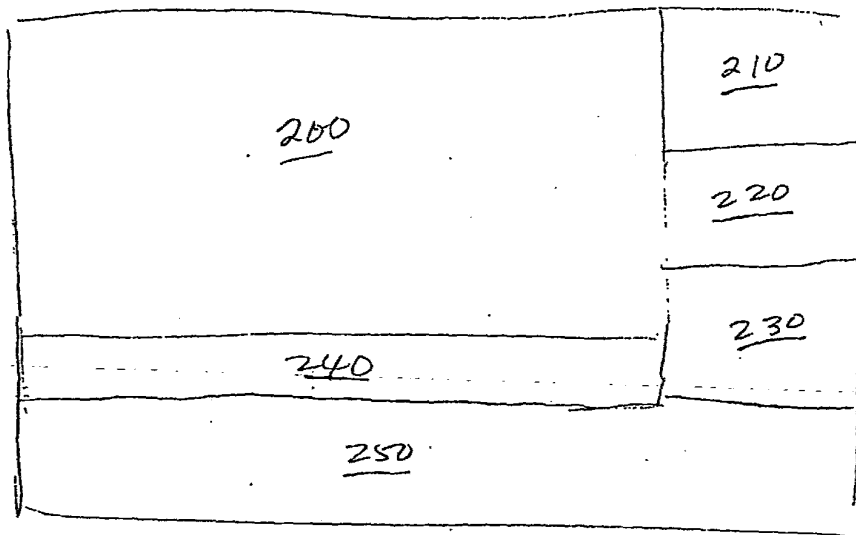


FIG. 2

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AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
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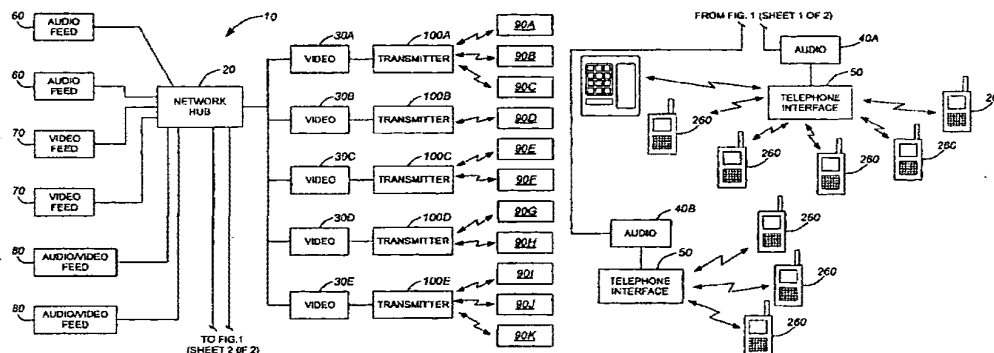
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(54) Title: **AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM**



(57) Abstract: Systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

WO 2004/091218 A1

## AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM

### Field of the Invention

The present invention relates to information dissemination systems and is particularly applicable but is not limited to systems and methods for distributing information to the general public at publicly accessible locations.

### Background to the Invention

The reason communications revolution has increased the amount of data available to the public. The public's hunger for more and more information has been whetted by this excess of information.

Current systems for information dissemination, especially for disseminating to the members of the public who take public means of transportation, are currently inadequate. These systems are solely visual and static. Sandwich boards, billboards, and other very old static forms of advertising are used for such ends. However, as noted above, these systems are inadequate. Such static forms are purely visual and cannot be readily changed in response to changed conditions. Unfortunately, the ubiquity of televisions and computers have had a deleterious effect on the attention span of the average person. As such, current static systems are unable to keep people's attention.

Another major drawback of current systems is the lack of an audio component. Again, the proliferation of multi-media devices and the ubiquity of multi-media in today's society has the public clamouring for the same presentation type in almost all of their information input. While there are some information dissemination systems that integrate an audio portion (such as publicly accessible television sets), these can be intrusive and annoying to those who do not wish to take advantage of the system.

There is therefore a need for an information dissemination system that integrates both video and audio components while simultaneously avoiding becoming an annoyance to those not wishing to access the information being

disseminated. Such an information dissemination system should also be dynamic in that modifying the information content should be relatively simple. Furthermore, the system should be able to keep end users (i.e. the public, especially those who are travelling in public transportation vehicles) occupied and should be able to hold their attention. Finally, it is also very desirable if such a system would be cost effective and financially self sustaining. It is therefore an object of the present invention to mitigate if not overcome the deficiencies of the prior art.

#### 10 Summary of the Invention

The present invention relates to systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

In a first aspect, the present invention provides a system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:

- 30 - a network hub for receiving said information from a source;
- a plurality of publicly viewable video display screens;
- at least one video distribution hub, the or each video distribution hub

receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;

- at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users;

- a telephone interface for receiving end user telephone call for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user telephone calls based on end user input,

wherein at least one audio feed is synchronized with one of the at least one video feed.

In a second aspect, the present invention provides a system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;

- at least one audio distribution hub receiving said at least one audio feed from said network hub:

- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.

#### Brief Description of the Drawings

A better understanding of the invention will be obtained by considering the detailed description below, with reference to the following drawings in which:

Figure 1 is a block diagram of a system for distributing information according to one aspect of the invention;

Figure 2 is a block diagram of an example setup for a video display screen for use with the system of Figure 1; and

Figure 3 is a block diagram of another example set up for a video display screen for use with the system of Figure 1.

Detailed Description

Referring to Figure 1, a block diagram of a system for distributing information is illustrated. The system has 10 a network hub 20, multiple video distribution hubs 30A-30E, audio distribution hubs 40A, 40B, and at least one telephone interface 50. The network hub receives multiple audio feeds 60, video feeds 70, and hub end combined audio/video feeds 80 from a variety of sources. These feeds are then separated into dedicated audio only and video-only feeds. The dedicated audio-only feeds are sent to the audio distribution hubs 40A, 40B while the dedicated video-only feeds are sent to the video distribution hubs 30A-30E. At the video distribution hubs, the relevant video only feeds are transmitted to multiple video display screens 90A-90K by transmitters 100A-100E. On the audio side, the telephone interface 50 receives the dedicated audio only feed and routes this to the telephone interface 50. The telephone interface 50 receives telephone calls from end users who wish to access one of the audio feeds. The end users, who could be calling and using their mobile or cellular telephones, can select one of the available audio feeds. Based on the end user input, the interface 50 selects the relevant audio feed and routes this feed to the relevant end user.

The network hub 20 can be seen as an audio/video feed aggregator - it receives feeds from a variety of sources and collects and combines these feeds into two signals, a dedicated audio feed and a dedicated video feed. The sources from which the feeds originate may be legion - the feeds could come from the Internet, a cable TV provider, broadcast TV, broadcast radio, a dedicated video or audio signal specifically created for the system, or any other source. The network hub 20 separates the feeds depending on the content - video feeds are separated and routed differently from audio feeds using well-known methods and techniques. Video feeds are aggregated into a first single signal with different video feeds occupying different parts or frequencies of that first single signal. Audio feeds are aggregated into a second single signal with different audio feeds occupying different parts or frequencies of that second single signal. The video feed signal (the first single signal) is then transmitted to the video distribution hubs 30A-30E. The audio feed signal (the second single

signal) is transmitted to the audio distribution hubs 40A, 40B.

Regarding the video distribution hubs 30A - 30E, each one can "tune" into or isolate one of the video feeds aggregated into the video feed signal from the network hub 20. The video feed that a distribution hub tunes into is then passed  
5 to a corresponding transmitter. A transmitter then transmits the video feed to multiple video display screens. Each video distribution hub 30A-30E can be a video tuner which tunes to a specific video feed in the video feed signal. Such tuners are well-known in the art.

The transmitters 100A-100E may be, depending on the implementation,  
10 wireless, wired, or optical transmitters. The transmitters 100A-100E transmit the isolated or tuned into video feed to the different video display screens. Each video transmission hub and transmitter combination services video display screens located at a specific geographic area. Thus, one geographic area may have display screens 90A, 90B, 90C, showing video feed A as tuned to by video  
15 transmission hub 30A while another geographic area may have display screens 90G, 90H showing video feed B as tuned to by video transmission hub 30D. Such an arrangement allows area - or region - centric video feeds to be distributed to the proper areas. Such an arrangement also allows the system to quickly change what is being shown in the video display screen in a specific area.  
20 As an example, if an important bulletin alert occurs and is in a video Q, all of the video distribution hubs 30A-30E could automatically switch to video feed Q, ensuring quick dissemination of the bulletin alert to the video display screens serviced by video transmission hubs 30A-30E. Similarly, if the video feed to be sent to a specific geographic area is to be changed, then only the transmission  
25 hub which services that specific geographic area needs to have any changes made. That transmission hub may merely need to tune into a different video feed.

It should be noted that, to assist the viewing public in determining the content of the video feed being shown on the display screens, each video feed  
30 can be provided with closed captioning. This way, viewers can read the text of the audio for the video feed. It should further be noted that advertising and other relevant data may be inserted into each of the video feeds. This may be done by

dividing the visual representation of the video feed into separate areas, with each area being provided with different data. As an example, Figure 2 illustrates one possible configuration of the visual representation. Area 200 may have the actual moving video being presented (such as a newscast, a situation comedy, or a soap opera program). Area 210 may present the weather forecast for the city, area 220 may present a stock market report and area 230 may present sports scores. Area 240 may be reserved for the closed captioning for the video in area 200 and area 250 may be provided for advertisements that are targeted to the end users. As noted above, the video portions of the presentation (presented in area 200) may be different for different areas. Similarly, different advertisements may be presented for different geographic areas. Ideally, up to  $\frac{3}{4}$  of the display screen may be devoted to advertising space. Devoting such a high proportion of the screen to revenue generating advertising should produce enough revenue for the operation of the system.

Referring to Figure 3, an alternative arrangement from the visual representational is illustrated. As can be seen, the main area of the screen is divided into multiple areas 200A, 200B, 200C, 200D. Each area may be dedicated to a different network video feed so that end users may have their choice of which program to view. Each video feed has its own audio feed which may be accessed by an end user as will be explained below.

Regarding the video display screens 90A-90K, these display screens are ideally deployed at publicly viewable areas. These may be deployed inside public transportation vehicles such as subway cars and buses and they may be deployed as static installations in subway/bus stations, busy street corners, and other areas of populace concentration. Plasma display screens may be used as the display screens and, in one embodiment, such screens may be hardened and configured to withstand the elements for an outside deployment. Such a deployment may be placed outside moving vehicles such as buses, thereby providing information dissemination to not only commuters inside the vehicle but commuters outside the vehicle as well. For such mobile deployments, wireless technology may be used to transmit the video feed to the video display screens. For static deployments, wired technology such as cable, optical, and other well-

known technologies, may be used for the transmission of the video feed to the video display screens. Other static deployments such as inside public transportation vehicles may use flat computer monitors to minimize deployment costs.

5 To avoid end user confusion due to the multiplicity of programs on a single screen as shown in Figure 3 static deployments inside transportation stations (e.g. train stations, bus stations, subway stations) and inside transportation vehicles may use multiple display screens with specific screens being dedicated to specific network video feeds. As an example, a single subway car may have  
10 10 screens with 3 screens being assigned to show a specific news channel video feed, (e.g. CNN), 4 screens being assigned to show a specific other broadcast network (e.g. NBC), and the rest being dedicated to show a youth oriented channel (e.g. MTV). The division of the number of screens dedicated to specific types of programming can be determined by the system operator with a view  
15 towards the possible viewers given the time of day. As an example, when students are likely to be the viewers, more screens would be dedicated to youth oriented programming.

To further lower deployment costs, manufacturers of the display screens could offer preferential pricing for their screens to those deploying and operating  
20 the system. Such a measure would provide the manufacturers free advertising as the public would be exposed to their product for free.

The audio portion of the system 10 operates in a similar manner with one important difference - end users can select which audio feed to access. As noted above, the audio feed signal is received by the audio transmission hubs  
25 40A, 40B. The different audio feeds can be accessed by tuning into or isolating the relevant audio feed from the rest of the audio feed signal. This is what the telephone interface 50 does, along with automatically receiving end user telephone calls and automatically routing the relevant audio feed to the relevant end user telephone call. The telephone interface 50 has multiple tuners with  
30 each tuner isolating or tuning into one of the audio feeds in the audio feed signal. Upon a request by an end user who is calling in, the relevant audio feed is diverted or routed to this end user.

The telephone interface 50 acts as an access point for end users. End users can call into the telephone interface (with the relevant telephone number perhaps flashed on the video display screens) and access a specific audio feed. To present a complete audio visual experience in conjunction with that with what is being presented on the video display screens, at least one of the audio feeds could be synchronized with the presentation on the video display screens. As an example, if geographic area A is showing video show A1 on screens 90A-90C and geographic area B is showing video show A2 on screens 90I-90K, end users in area A would need to access the audio feed synchronized the video show A1 while end users in the area B would need to access the audio feed synchronized to the video show A2. This may be done by an end user calling the telephone interface 50 and, after navigating an automated answering and menu system, accessing the relevant audio feed. This answering and menu system is well-known technology and is readily available. Thus, an end user in area A would, to get the proper audio visual experience, access a different audio feed from that accessed by an end user in area B. As yet another variant, the audio feed synchronized to a specific video show could be presented in different languages as separate audio feeds. As an example, video show A1 showing on screens 90A-90C could be synchronized to three different audio feeds - one audio feed being in English, another audio feed being in French, and a third audio feed being in Chinese. As such, an end user could access any one of the video feeds synchronized to that specific video show in the language of preference for the end user. Thus, a single video feed being presented in a specific geographic area could be accessible to people who do not necessarily speak the exact same language. Similarly, the closed captioning presented on the video display screens could be presented in multiple languages or, if one language is predominant in a specific area, the closed captioning could be presented in that single language. The technology for routing audio feeds synchronized to a video feed is currently available and used in passenger aircraft that provides in-flight entertainment. Adapting such technology with appropriate telephone menu technology will produce the requisite telephone interface described above.

It should be noted that the audio feeds available need not all be

synchronized to the video feeds. Other audio feeds, such as audio feeds that provide music, commentary, radio station feeds, and others, may be available, depending on the implementation. This system is ideally suited to be accessed by commuters with cellular or mobile phones 260. Commuters, while on their morning or afternoon commute may view the video display screens inside the public transportation vehicle or in the stations while waiting for the vehicles. In concert with this, the commuters can use their mobile telephones to call the telephone interface and listen in on the audio portion of the program being presented in area 200 of the video display screen. Alternatively, the commuter may decide not to view the video program on the video display screen but merely listen to some other audio program being presented as a separate audio feed through his or her mobile telephone. However, the system need not be limited to mobile telephones. End users who have, ideally, a landline speaker phone may also access the telephone interface to listen to the different available audio feeds at work or at home. To address the different tastes of different types of people, themed audio feeds, such as all-sports, all-classical music, all-news or all-music (with different audio feeds for different types of music) may also be available. As an alternative, end users equipped with mobile telephones may receive the different audio feeds using Bluetooth or Wi-Fi (IEEE 802.11) technology.

To accommodate the different regions in a large geographic area, multiple telephone interface/audio transmission hubs may be implemented, with different telephone interfaces serving different areas.

To allow for a financially self-sustaining system, advertising space may be sold on either the video feeds (as explained above) or in the audio feeds. Advertisements may be sold on a per display screen basis, a regional coverage basis, or on a visibility (time visible on screen) basis. Similarly, subscription fees may be collected from end users who wish to access the audio feed. Alternatively, the system could be free to mobile telephone users with the operational and deployment costs being borne by advertisers and/or public transportation bodies.

The system described above is flexible enough for many different types of advertising and promotions. As an example, advertisers could include in their

advertising a specific telephone code which users may enter while listening to an audio feed. Entering the code would then automatically connect the end user to the advertiser's telephone call-in center so the end user can then take advantage of the offer (e.g. a vacation trip for a low promotional price). Alternatively, end users may establish an account, with their credit cards on file, with the operators of the system. These end users may then do their shopping over the telephone based on what is being advertised on the display screens. End user choices, such as the colour, size, or type of merchandise, could be entered by the end user via the telephone keypad using specific telephone codes shown in the video feeds. To verify an end user's identity, PIN (personal identification numbers) could be associated with each end user account. Such PIN numbers would be required to validate/finalize the transaction before the end user's credit card is charged and before the item is shipped to the end user's on-file address or before the end user can pick up the item. As an alternative, an end user's bank account can be tied in with the end user's system account and the purchase price of the end-user's purchase can be automatically debited to from his/her bank account. The use of PIN numbers or some similar scheme for validation for this configuration would, of course, be required for security. End users can also be provided, by way of their mobile telephone's screen, with different payment options. A dedicated PAY button on the mobile handset can be provided so that activation of this button brings up the end user's payment option.

The system also offers a myriad of advantages to society and the public in general. It may be used as part of a public broadcasting system to inform the populace of alerts or emergencies. It can also increase literacy as those without mobile phones will need to read the closed captioning and/or the text on-screen to determine what is being presented. It will also produce greater usage of public transportation vehicles as passengers are not only transported from one place to another but are also entertained. Such an increase in ridership may also augur an decrease in the number of vehicles on the road, thereby leading to a more environment-friendly society. The increased advertising may also lead to greater consumer spending, thereby fueling economic growth for the areas where the

system is deployed.

Although various exemplary embodiments of the invention have been disclosed, it should be apparent to those skilled in the art that various changes and modifications can be made which will achieve some of the advantages of the  
5 invention without departing from the true scope of the invention.

A person understanding this invention may now conceive of alternative structures and embodiments or variations of the above all of which are intended to fall within the scope of the invention as defined in the claims that follow.

We claim:

1. A system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:
  - a network hub for receiving said information from a source;
  - a plurality of publicly viewable video display screens;
  - 5       - at least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;
  - at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio
  - 10       feeds being accessible by end users;
  - a telephone interface for receiving end user telephone calls for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user
  - 15       telephone calls based on end user input,
  - wherein at least one audio feed is synchronized with one of the at least one video feed.
2. A system according to claim 1 wherein said network hub receives said information as separate video and audio feeds.
3. A system according to claim 1 wherein at least one audio feed received by said network hub is a themed audio feed.
4. A system according to claim 1 wherein at least one of said plurality of publicly viewable video display screens receives a video feed from said video distribution hub by wireless means.
5. A system according to claim 1 wherein at least one of said plurality of publicly

viewable video display screens receives a video feed from said video distribution hub through a closed circuit network.

6. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed outside a vehicle.

7. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed inside a vehicle.

8. A system according to claim 1 wherein said network hub receives multiple video feeds, each of said multiple video feeds being transmitted to said video display screens located in different geographic regions.

9. A system according to claim 1 wherein said at least one video feed is provided with closed captioning.

10. A system according to claim 1 wherein said at least one video feed is provided with advertisements.

11. A system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;
- at least one audio distribution hub receiving said at least one audio feed

5 from said network hub:

- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.

12. A system according to claim 11 wherein a plurality of audio feeds are received by said network hub and at least one of said plurality of audio feeds is synchronized with a video feed.

13. A system according to claim 12 wherein said video feed is publicly viewable.
14. A system according to claim 12 wherein said telephone interface receives end user input relating to goods or services offered for sale to said end users through said video feed.
15. A system according to claim 1 wherein said telephone interface receives end user input relating to goods or services offered for sale to end users through said at least one video feed.
16. A system according to claim 14 wherein said end user input comprises specific codes shown on said video feed for ordering said goods or services.
17. A system according to claim 15 wherein said end user input comprises specific codes shown on said video feed for ordering said goods or services.

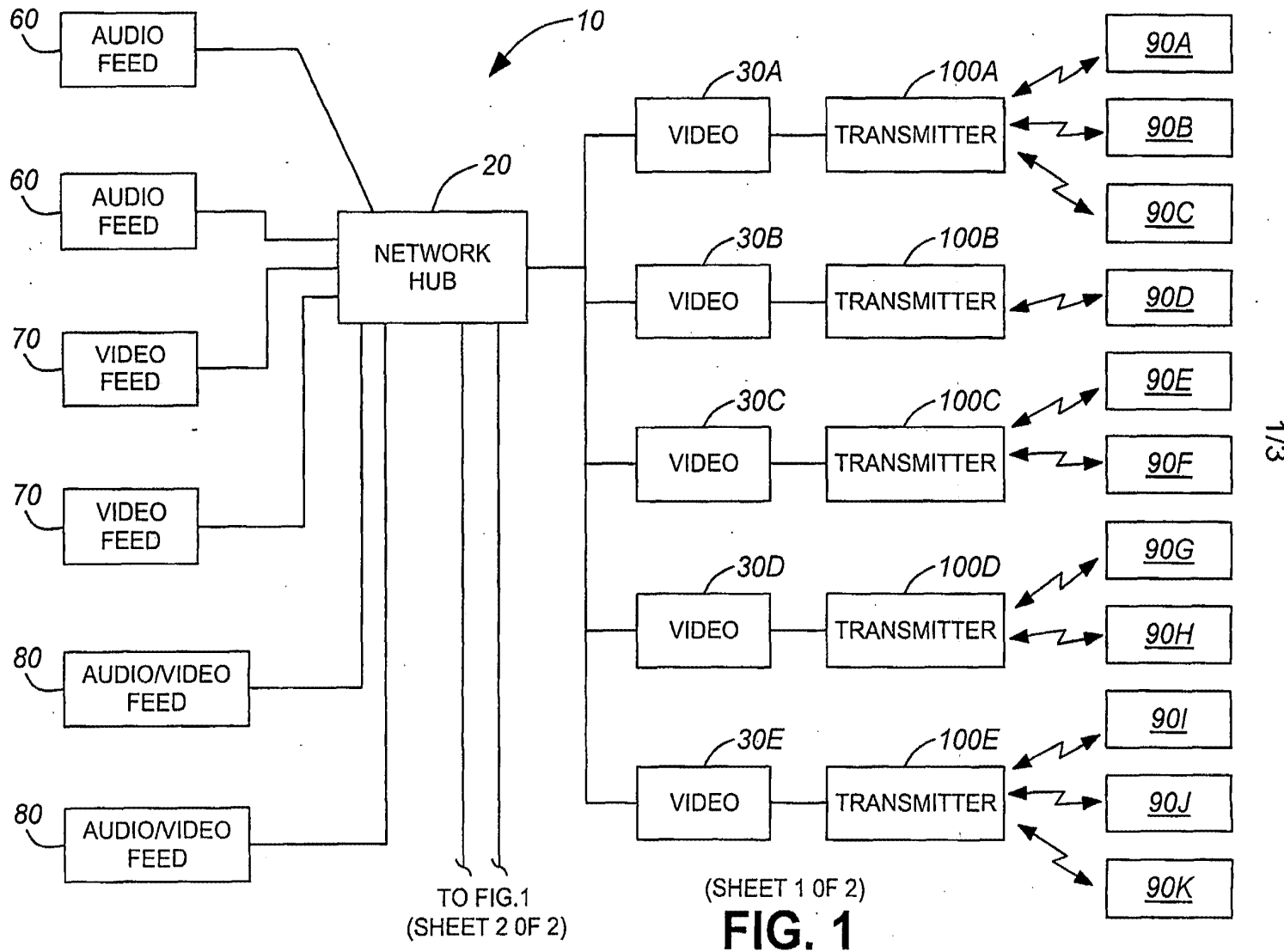
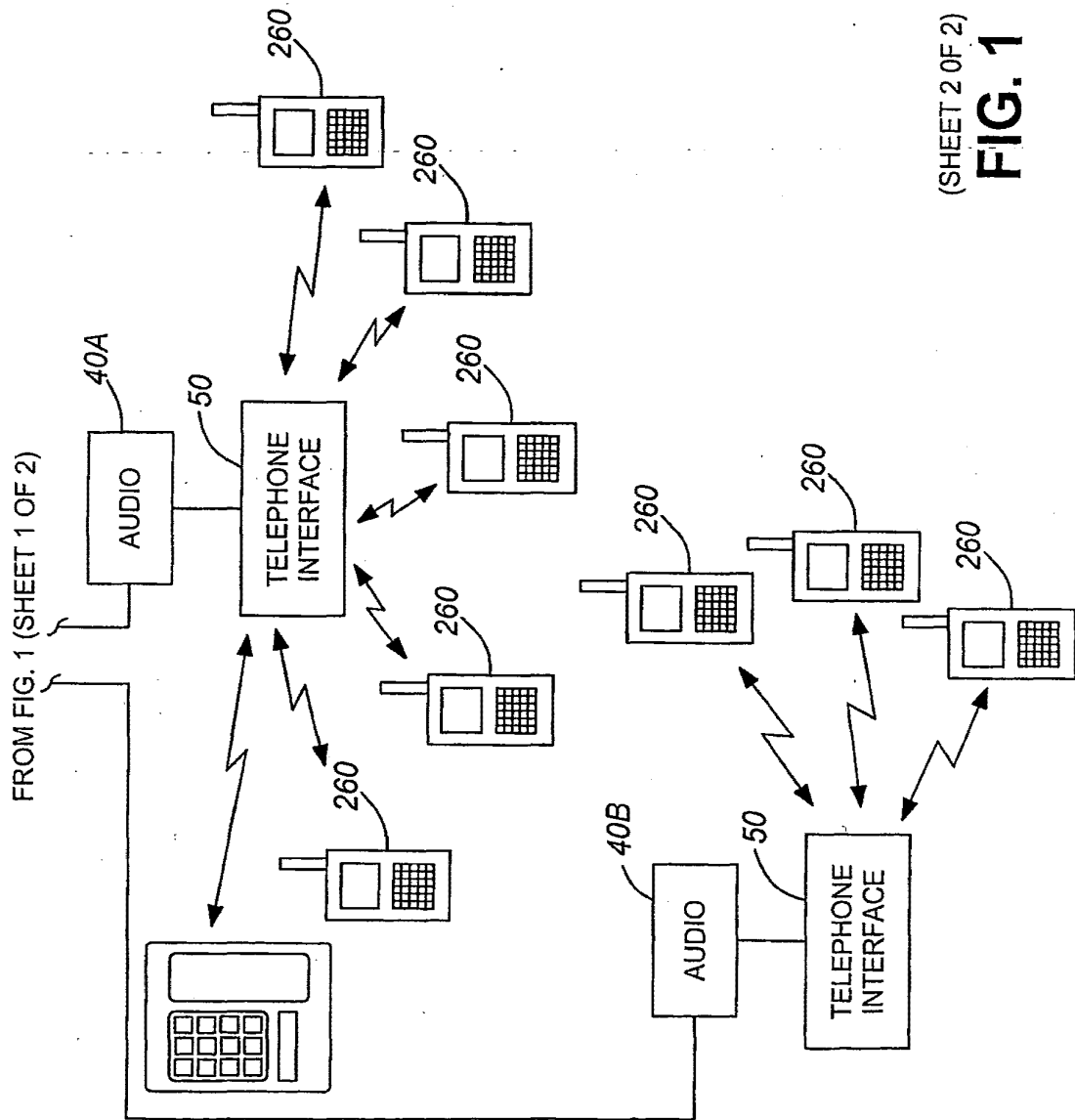


**FIG. 1**



(SHEET 2 OF 2)  
**FIG. 1**

3/3

|            |            |
|------------|------------|
| <u>200</u> | <u>210</u> |
|            | <u>220</u> |
| <u>240</u> | <u>230</u> |
| <u>250</u> |            |

**FIG. 2**

|             |             |            |
|-------------|-------------|------------|
| <u>200A</u> | <u>200B</u> | <u>210</u> |
| <u>240A</u> | <u>240B</u> | <u>220</u> |
| <u>200C</u> | <u>200D</u> |            |
| <u>240C</u> | <u>240D</u> | <u>230</u> |
| <u>250</u>  |             |            |

**FIG. 3**

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000513

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N7/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N B64D H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                      | Relevant to claim No. |
|------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | WO 98/11686 A (EVENSEN KAREN ; TROXEL ROBERT (US); WAKAI BRUCE M (US); BOOTH MARC (US) 19 March 1998 (1998-03-19)       | 1-3,5,8, 10-17        |
| Y          | abstract<br>page 1, line 11 - page 2, line 9<br>page 3, line 20 - page 3, line 31<br>page 17, line 5 - page 17, line 23 | 4,6,7,9               |
| X          | US 5 412 708 A (KATZ RONALD A) 2 May 1995 (1995-05-02)                                                                  | 11                    |
| A          | abstract<br><br>column 1, line 44 - column 3, line 48<br><br>-----<br>-/--                                              | 1-10, 12-17           |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*S\* document member of the same patent family

Date of the actual completion of the international search

16 July 2004

Date of mailing of the international search report

26/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
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Fax: (+31-70) 340-3016

Authorized officer

Schoeyer, M

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000513

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                       | Relevant to claim No.            |
|------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Y<br>A     | WO 01/33859 A (GLASER DONALD A)<br>10 May 2001 (2001-05-10)<br>abstract<br><br>page 3, line 8 - page 3, line 27<br>----- | 4,6,7,9<br><br>1-3,5,8,<br>10-17 |
| Y          | US 5 896 129 A (MURPHY JOHN F ET AL)<br>20 April 1999 (1999-04-20)<br>abstract<br>-----                                  | 9                                |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000513

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)                                                                                                                                                                                                                                                                                                                                                                     | Publication<br>date                                                                                                                                                                                                                                                                                |
|-------------------------------------------|---|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WO 9811686                                | A | 19-03-1998          | AU 4256697 A<br>WO 9811686 A2                                                                                                                                                                                                                                                                                                                                                                  | 02-04-1998<br>19-03-1998                                                                                                                                                                                                                                                                           |
| US 5412708                                | A | 02-05-1995          | CA 2157895 A1<br>CA 2460488 A1<br>DE 1126715 T1<br>DE 69429083 D1<br>DE 69429083 T2<br>EP 1126715 A2<br>EP 0688489 A1<br>JP 8510873 T<br>JP 2001339704 A<br>WO 9421084 A1<br>US 5495284 A<br>US 6323894 B1<br>US 2003156185 A1<br>US 2001031044 A1<br>US 2003040981 A1<br>US 2003185356 A1<br>US 2002101504 A1<br>US 2004076275 A1<br>US 2004111752 A1<br>US 2004109058 A1<br>US 2004109547 A1 | 15-09-1994<br>15-09-1994<br>07-02-2002<br>20-12-2001<br>29-08-2002<br>22-08-2001<br>27-12-1995<br>12-11-1996<br>07-12-2001<br>15-09-1994<br>27-02-1996<br>27-11-2001<br>21-08-2003<br>18-10-2001<br>27-02-2003<br>02-10-2003<br>01-08-2002<br>22-04-2004<br>10-06-2004<br>10-06-2004<br>10-06-2004 |
| WO 0133859                                | A | 10-05-2001          | AU 2918601 A<br>WO 0133859 A1                                                                                                                                                                                                                                                                                                                                                                  | 14-05-2001<br>10-05-2001                                                                                                                                                                                                                                                                           |
| US 5896129                                | A | 20-04-1999          | NONE                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                    |

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

|                                                                                           |                                                                                   |                                                                         |                  |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------|
| Applicant's or agent's file reference<br>42092-0002                                       | <b>FOR FURTHER ACTION</b>                                                         |                                                                         | See item 4 below |
| International application No.<br>PCT/CA2004/000513                                        | International filing date ( <i>day/month/year</i> )<br>07 April 2004 (07.04.2004) | Priority date ( <i>day/month/year</i> )<br>07 April 2003 (07.04.2003) ] |                  |
| International Patent Classification (IPC) or national classification and IPC<br>H04N 7/18 |                                                                                   |                                                                         |                  |
| Applicant<br>PONIATOWSKI, Paul                                                            |                                                                                   |                                                                         |                  |

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 7 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |                                                                                                                                                                 |
|-------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report                                                                                                                                             |
| <input checked="" type="checkbox"/> | Box No. II   | Priority                                                                                                                                                        |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability                                                                |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention                                                                                                                                      |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited                                                                                                                                         |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application                                                                                                                |
| <input checked="" type="checkbox"/> | Box No. VIII | Certain observations on the international application                                                                                                           |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

|                                                                                                                                     |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| The International Bureau of WIPO<br>34, chemin des Colombettes<br>1211 Geneva 20, Switzerland<br><br>Facsimile No. +41 22 740 14 35 | Date of issuance of this report<br>14 October 2005 (14.10.2005)                         |
|                                                                                                                                     | Authorized officer<br><br>Athina Nickitas-Etienne<br><br>Telephone No. +41 22 338 89 95 |

Form PCT/IB/373 (January 2004)

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 2 2 JUL 2004

PCT

WIPO

PCT

To:

see form PCT/ISA/220

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/CA2004/000513

International filing date (day/month/year)  
07.04.2004

Priority date (day/month/year)  
07.04.2003

International Patent Classification (IPC) or both national classification and IPC  
H04N7/18

Applicant  
PONIATOWSKI, Paul

### 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☒ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

### 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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D-80298 Munich  
Tel. +49 89 2399 - 0 Tx: 523656 epmu d  
Fax: +49 89 2399 - 4465

Authorized Officer

Schoeyer, M

Telephone No. +49 89 2399-2136



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CA2004/000513

---

**Box No. I Basis of the opinion**

---

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CA2004/000513

---

**Box No. II Priority**

---

1. ☒ The following document has not been furnished:

☒ copy of the earlier application whose priority has been claimed (Rule 43*bis*.1 and 66.7(a)).

☐ translation of the earlier application whose priority has been claimed (Rule 43*bis*.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

2. ☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43*bis*.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

---

**Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

---

1. Statement

|                               |             |      |
|-------------------------------|-------------|------|
| Novelty (N)                   | Yes: Claims | 1-17 |
|                               | No: Claims  |      |
| Inventive step (IS)           | Yes: Claims |      |
|                               | No: Claims  | 1-17 |
| Industrial applicability (IA) | Yes: Claims | 1-17 |
|                               | No: Claims  |      |

2. Citations and explanations

see separate sheet

---

**Box No. VIII Certain observations on the international application**

---

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

**Re Item V.**

1 The following documents are referred to in this communication:

D1: WO 98/11686 A (EVENSEN KAREN ; TROXEL ROBERT (US); WAKAI  
BRUCE M (US); BOOTH MARC (US) 19 March 1998 (1998-03-19)

D2: US-A-5 412 708 (KATZ RONALD A) 2 May 1995 (1995-05-02)

D3: WO 01/33859 A (GLASER DONALD A) 10 May 2001 (2001-05-10)

D4: US-A-5 896 129 (MURPHY JOHN F ET AL) 20 April 1999 (1999-04-20)

2 Inventive Step

2.1 Claim 1:

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 does not involve inventive step in the sense of Article 33(3) PCT.

Document D1 relates to an inflight system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds (see page 1, lines 11-13), the system comprising:

- a network hub for receiving said information from a source;
- a plurality of publicly viewable video display screens (page 9, lines 11-23);
- at least one video distribution hub, the or each video distribution hub receiving one video feed from said network from said network hub and transmitting said one video feed to at least one of said display screens;
- at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users, wherein at least one audio feed is synchronized with one of the at least one video feed.

Differently than shown in D1 it is claimed in claim 1 that the audio may be accessed via a telephone interface. In D1 it is shown that the selection of the audio is done by the user. It furthermore is known to the skilled person to provide control means with which certain audio selections are made, and in which a telephone is integrated. Thus the skilled person will realise that the provision of accompanying audio may instead of via the headsets, be provided using the telephone. Consequently the subject-matter of independent claim 1 is considered to lack inventive step.

## 2.2 Claim 11

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 11 lacks inventive step in view of Article 33(3) PCT.

The subject-matter of independent claim 11 is much broader than that of claim 1. As a consequence the subject-matter claim 11 is considered that lack inventive step for substantially the same reasons as set out above for claim 1.

Additionally it is noted that current claim 11 appears to relate to nothing else than a system for setting up a telephone call. In this respect the attention of the applicants is also drawn towards document D2.

## 3 DEPENDENT CLAIMS 2-10, 12-17

Dependent claims 2-10, 12-17 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).

- separate audio and video feeds (as in claim 2), - see D1 (page 1, lines 11-14);
- themed audio feed (as in claim 3), -common general knowledge;
- wireless video feed (as in claim 4), -see D3 (page 3, line 26);
- closed circuit network (as in claim 5), -see D1 (abstract);
- deployment outside vehicle (as in claim 6), -common general knowledge;
- deployment inside vehicle (as in claim 7), -common general knowledge;
- transmission to video screens in different geographic regions (as in claim 8), - common general knowledge;
- closed captioning (as in claim 9), -see D3 (abstract);
- advertisements (as in claim 10), -common general knowledge;
- synchronisation of audio and video (as in claim 12), -see D1 (page 1, line 12);
- video feed is publicly viewable (as in claim 13), -see D1 (page 1, line 13);
- input relating to goods or services (as in claims 14, 15), -common general knowledge;
- display of specific codes for ordering (as in claims 16,17), -common general knowledge;

## 4. Article 33(4) PCT

The subject-matter of claims 1-17 is industrially applicable in the field of audio-visual dissemination.

**Re Item VIII.**

Article 6 PCT

It is not completely clear what is meant with "routing audio feeds from ... to said end user telephone **calls**" in claims 1 and 11. As the calls are not a device.

The term "themed" in claim 3 is vague and unclear.

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 22 JUL 2004

PCT

WIPO

PCT

To:

see form PCT/ISA/220

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/CA2004/000513

International filing date (day/month/year)  
07.04.2004

Priority date (day/month/year)  
07.04.2003

International Patent Classification (IPC) or both national classification and IPC  
H04N7/18

Applicant  
PONIATOWSKI, Paul

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- ☒ Box No. I Basis of the opinion
- ☒ Box No. II Priority
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### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

### 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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D-80298 Munich  
Tel. +49 89 2399 - 0 Tx: 523656 epmu d  
Fax: +49 89 2399 - 4465

Authorized Officer

Schoeyer, M

Telephone No. +49 89 2399-2136



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CA2004/000513

---

**Box No. I Basis of the opinion**

---

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
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  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
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    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CA2004/000513

---

**Box No. II Priority**

---

1. ☒ The following document has not been furnished:

☒ copy of the earlier application whose priority has been claimed (Rule 43*bis*.1 and 66.7(a)).

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2. ☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43*bis*.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

---

**Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

---

1. Statement

|                               |             |      |
|-------------------------------|-------------|------|
| Novelty (N)                   | Yes: Claims | 1-17 |
|                               | No: Claims  |      |
| Inventive step (IS)           | Yes: Claims |      |
|                               | No: Claims  | 1-17 |
| Industrial applicability (IA) | Yes: Claims | 1-17 |
|                               | No: Claims  |      |

2. Citations and explanations

see separate sheet

---

**Box No. VIII Certain observations on the international application**

---

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

**Re Item V.**

1 The following documents are referred to in this communication:

D1: WO 98/11686 A (EVENSEN KAREN ; TROXEL ROBERT (US); WAKAI  
BRUCE M (US); BOOTH MARC (US) 19 March 1998 (1998-03-19)

D2: US-A-5 412 708 (KATZ RONALD A) 2 May 1995 (1995-05-02)

D3: WO 01/33859 A (GLASER DONALD A) 10 May 2001 (2001-05-10)

D4: US-A-5 896 129 (MURPHY JOHN F ET AL) 20 April 1999 (1999-04-20)

2 Inventive Step

2.1 Claim 1:

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- a network hub for receiving said information from a source;
- a plurality of publicly viewable video display screens (page 9, lines 11-23);
- at least one video distribution hub, the or each video distribution hub receiving one video feed from said network from said network hub and transmitting said one video feed to at least one of said display screens;
- at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users, wherein at least one audio feed is synchronized with one of the at least one video feed.

Differently than shown in D1 it is claimed in claim 1 that the audio may be accessed via a telephone interface. In D1 it is shown that the selection of the audio is done by the user. It furthermore is known to the skilled person to provide control means with which certain audio selections are made, and in which a telephone is integrated. Thus the skilled person will realise that the provision of accompanying audio may instead of via the headsets, be provided using the telephone. Consequently the subject-matter of independent claim 1 is considered to lack inventive step.

## 2.2 Claim 11

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 11 lacks inventive step in view of Article 33(3) PCT.

The subject-matter of independent claim 11 is much broader than that of claim 1. As a consequence the subject-matter claim 11 is considered that lack inventive step for substantially the same reasons as set out above for claim 1.

Additionally it is noted that current claim 11 appears to relate to nothing else than a system for setting up a telephone call. In this respect the attention of the applicants is also drawn towards document D2.

## 3 DEPENDENT CLAIMS 2-10, 12-17

Dependent claims 2-10, 12-17 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).

- separate audio and video feeds (as in claim 2), - see D1 (page 1, lines 11-14);
- themed audio feed (as in claim 3), -common general knowledge;
- wireless video feed (as in claim 4), -see D3 (page 3, line 26);
- closed circuit network (as in claim 5), -see D1 (abstract);
- deployment outside vehicle (as in claim 6), -common general knowledge;
- deployment inside vehicle (as in claim 7), -common general knowledge;
- transmission to video screens in different geographic regions (as in claim 8), - common general knowledge;
- closed captioning (as in claim 9), -see D3 (abstract);
- advertisements (as in claim 10), -common general knowledge;
- synchronisation of audio and video (as in claim 12), -see D1 (page 1, line 12);
- video feed is publicly viewable (as in claim 13), -see D1 (page 1, line 13);
- input relating to goods or services (as in claims 14, 15), -common general knowledge;
- display of specific codes for ordering (as in claims 16,17), -common general knowledge;

## 4. Article 33(4) PCT

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/CA2004/000513

The subject-matter of claims 1-17 is industrially applicable in the field of audio-visual dissemination.

**Re Item VIII.**

Article 6 PCT

It is not completely clear what is meant with "routing audio feeds from ... to said end user telephone **calls**" in claims 1 and 11. As the calls are not a device.

The term "themed" in claim 3 is vague and unclear.

23 SEP 2008



UNITED STATES PATENT AND TRADEMARK OFFICE

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2111 EISENHOWER AVENUE  
SUITE 406  
ALEXANDRIA VA 22314

|                                        |   |                 |
|----------------------------------------|---|-----------------|
| In re Application of: PONIATOWSKI      | : | DECISION        |
| U.S. Application No.: 12/087,539       | : |                 |
| PCT Application No.: PCT/CA2004/000513 | : | ON              |
| Int. Filing Date: 07 April 2004        | : |                 |
| Priority Date: 07 April 2003           | : | PETITION        |
| Atty Docket No.: 16441NP               | : |                 |
| For: AUDIO/VISUAL INFORMATION          | : | UNDER           |
| DISSEMINATION SYSTEM                   | : |                 |
|                                        | : | 37 CFR 1.137(b) |

The petition to revive under 37 CFR 1.137(b) filed 09 July 2008 in the above-captioned application is hereby **GRANTED** as follows:

Applicant has submitted the requisite petition fee, the required reply in the form of the basic national fee under 35 U.S.C. 371, and the required statement of unintentional delay.

Therefore, the request to revive the application under 35 U.S.C. 371(d) is granted as to the national stage in the United States of America.

The application is being forwarded to the United States Designated/Elected Office (DO/EO/US) for further processing in accordance with this decision.

Katherine Moran  
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**PETITION FOR REVIVAL OF AN INTERNATIONAL APPLICATION FOR PATENT  
DESIGNATING THE U.S. ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number  
(Optional)  
16441NP

First Named Inventor: Paul PONIATOWSKI

International (PCT) Application No.: PCT/CA2004/000513

U.S. Application No.:  
(if known)

Filed: 7 April 2004

Title: AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM

Attention: PCT Legal Staff  
Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

The above-identified application became abandoned as to the United States because the fees and documents required by 35 U.S.C. 371(c) were not filed prior to the expiration of the time set in 37 CFR 1.495(b) or (c) as applicable. The date of abandonment is the day after the date on which the 35 U.S.C. 371(c) requirements were due. See 37 CFR 1.495(h).

**APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION**

NOTE: A grantable petition requires the following items:

- (1) Petition fee
- (2) Proper reply
- (3) Terminal disclaimer with disclaimer fee which is required for all international applications having an international filing date before June 8, 1995; and
- (4) Statement that the entire delay was unintentional.

**1. Petition fee**

☒ Small entity - fee \$ 770.00 (37 CFR 1.17(m)). Applicant claims small entity status.  
See 37 CFR 1.27.

☐ Other than small entity - fee \$ \_\_\_\_\_ (37 CFR 1.17(m))

**2. Proper reply**

A. The proper reply (the missing 35 U.S.C. 371(c) requirement(s)) in the form of  
National Phase Application (identify type of reply):

☐ has been filed previously on \_\_\_\_\_.

☒ is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IPR2024-00731  
APPLE EX1007 Page 122

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## 3. Terminal disclaimer with disclaimer fee

☒ Since this international application has an international filing date on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ \_\_\_\_\_ for a small entity or \$ \_\_\_\_\_ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

## 4. Statement. The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

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Signature

✓ 23 JUNE 2008  
Date

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☒ Fee Payment

☐ Terminal Disclaimer

☒ Other (please identify): Signed Declaration

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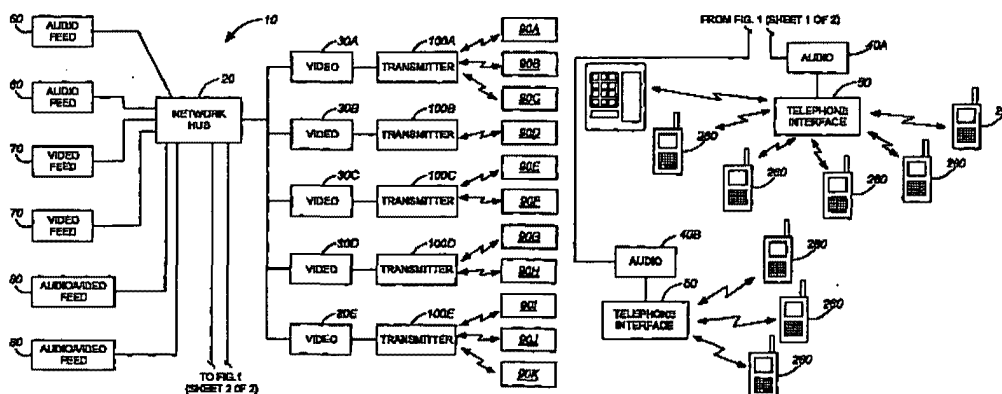
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(54) Title: AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM



(57) Abstract: Systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

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IAP02Rec'd PCT 09 JUL 2008  
12/087539**AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM****Field of the Invention**

The present invention relates to information dissemination systems and is particularly applicable but is not limited to systems and methods for distributing information to the general public at publicly accessible locations.

**Background to the Invention**

The reason communications revolution has increased the amount of data available to the public. The public's hunger for more and more information has been whetted by this excess of information.

Current systems for information dissemination, especially for disseminating to the members of the public who take public means of transportation, are currently inadequate. These systems are solely visual and static. Sandwich boards, billboards, and other very old static forms of advertising are used for such ends. However, as noted above, these systems are inadequate. Such static forms are purely visual and cannot be readily changed in response to changed conditions. Unfortunately, the ubiquity of televisions and computers have had a deleterious effect on the attention span of the average person. As such, current static systems are unable to keep people's attention.

Another major drawback of current systems is the lack of an audio component. Again, the proliferation of multi-media devices and the ubiquity of multi-media in today's society has the public clamouring for the same presentation type in almost all of their information input. While there are some information dissemination systems that integrate an audio portion (such as publicly accessible television sets), these can be intrusive and annoying to those who do not wish to take advantage of the system.

There is therefore a need for an information dissemination system that integrates both video and audio components while simultaneously avoiding becoming an annoyance to those not wishing to access the information being

disseminated. Such an information dissemination system should also be dynamic in that modifying the information content should be relatively simple. Furthermore, the system should be able to keep end users (i.e. the public, especially those who are travelling in public transportation vehicles) occupied and should be able to hold their attention. Finally, it is also very desirable if such a system would be cost effective and financially self sustaining. It is therefore an object of the present invention to mitigate if not overcome the deficiencies of the prior art.

## 10 Summary of the Invention

The present invention relates to systems and methods for providing information to the public by way of publicly accessible devices. A network of video displays are deployed at publicly accessible locations such as inside public transportation vehicles or at public transportation stations. The video feed to these video displays are provided by a video distribution hub which receives the video feed from a network hub. Different audio feeds are accessible to end users or by telephone. End users can call a telephone interface which receives and routes audio feeds from an audio distribution hub. End users can access audio feeds which may be synchronized with a video feed to provide a complete audio visual experience to the end user. For more useful content, the video displayed at any location may be adjusted to be relevant to the area where the video display is deployed. Audio content synchronized to one of these disparate video feeds can be accessed by the end user by dialing different options through the telephone interface. Audio feeds not tied to a specific video feed, such as radio stations or themed audio feeds, may also be accessed by the end user through the telephone interface.

In a first aspect, the present invention provides a system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:

- 30 - a network hub for receiving said information from a source;
- a plurality of publicly viewable video display screens;
- at least one video distribution hub, the or each video distribution hub

receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;

- at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio feeds being accessible by end users;

- a telephone interface for receiving end user telephone call for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user

telephone calls based on end user input,

wherein at least one audio feed is synchronized with one of the at least one video feed.

In a second aspect, the present invention provides a system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;

- at least one audio distribution hub receiving said at least one audio feed from said network hub:

- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.

### Brief Description of the Drawings

A better understanding of the invention will be obtained by considering the detailed description below, with reference to the following drawings in which:

Figure 1 is a block diagram of a system for distributing information according to one aspect of the invention;

Figure 2 is a block diagram of an example setup for a video display screen for use with the system of Figure 1; and

Figure 3 is a block diagram of another example set up for a video display screen for use with the system of Figure 1.

### Detailed Description

Referring to Figure 1, a block diagram of a system for distributing information is illustrated. The system has 10 a network hub 20, multiple video distribution hubs 30A-30E, audio distribution hubs 40A, 40B, and at least one telephone interface 50. The network hub receives multiple audio feeds 60, video feeds 70, and hub end combined audio/video feeds 80 from a variety of sources. These feeds are then separated into dedicated audio only and video-only feeds. The dedicated audio-only feeds are sent to the audio distribution hubs 40A, 40B while the dedicated video-only feeds are sent to the video distribution hubs 30A-30E. At the video distribution hubs, the relevant video only feeds are transmitted to multiple video display screens 90A-90K by transmitters 100A-100E. On the audio side, the telephone interface 50 receives the dedicated audio only feed and routes this to the telephone interface 50. The telephone interface 50 receives telephone calls from end users who wish to access one of the audio feeds. The end users, who could be calling and using their mobile or cellular telephones, can select one of the available audio feeds. Based on the end user input, the interface 50 selects the relevant audio feed and routes this feed to the relevant end user.

The network hub 20 can be seen as an audio/video feed aggregator - it receives feeds from a variety of sources and collects and combines these feeds into two signals, a dedicated audio feed and a dedicated video feed. The sources from which the feeds originate may be legion - the feeds could come from the Internet, a cable TV provider, broadcast TV, broadcast radio, a dedicated video or audio signal specifically created for the system, or any other source. The network hub 20 separates the feeds depending on the content - video feeds are separated and routed differently from audio feeds using well-known methods and techniques. Video feeds are aggregated into a first single signal with different video feeds occupying different parts or frequencies of that first single signal. Audio feeds are aggregated into a second single signal with different audio feeds occupying different parts or frequencies of that second single signal. The video feed signal (the first single signal) is then transmitted to the video distribution hubs 30A-30E. The audio feed signal (the second single

signal) is transmitted to the audio distribution hubs 40A, 40B.

Regarding the video distribution hubs 30A - 30E, each one can "tune" into or isolate one of the video feeds aggregated into the video feed signal from the network hub 20. The video feed that a distribution hub tunes into is then passed  
5 to a corresponding transmitter. A transmitter then transmits the video feed to multiple video display screens. Each video distribution hub 30A-30E can be a video tuner which tunes to a specific video feed in the video feed signal. Such tuners are well-known in the art.

The transmitters 100A-100E may be, depending on the implementation,  
10 wireless, wired, or optical transmitters. The transmitters 100A-100E transmit the isolated or tuned into video feed to the different video display screens. Each video transmission hub and transmitter combination services video display screens located at a specific geographic area. Thus, one geographic area may have display screens 90A, 90B, 90C, showing video feed A as tuned to by video  
15 transmission hub 30A while another geographic area may have display screens 90G, 90H showing video feed B as tuned to by video transmission hub 30D. Such an arrangement allows area - or region - centric video feeds to be distributed to the proper areas. Such an arrangement also allows the system to quickly change what is being shown in the video display screen in a specific area.  
20 As an example, if an important bulletin alert occurs and is in a video Q, all of the video distribution hubs 30A-30E could automatically switch to video feed Q, ensuring quick dissemination of the bulletin alert to the video display screens serviced by video transmission hubs 30A-30E. Similarly, if the video feed to be sent to a specific geographic area is to be changed, then only the transmission  
25 hub which services that specific geographic area needs to have any changes made. That transmission hub may merely need to tune into a different video feed.

It should be noted that, to assist the viewing public in determining the content of the video feed being shown on the display screens, each video feed  
30 can be provided with closed captioning. This way, viewers can read the text of the audio for the video feed. It should further be noted that advertising and other relevant data may be inserted into each of the video feeds. This may be done by

dividing the visual representation of the video feed into separate areas, with each area being provided with different data. As an example, Figure 2 illustrates one possible configuration of the visual representation. Area 200 may have the actual moving video being presented (such as a newscast, a situation comedy, or a soap opera program). Area 210 may present the weather forecast for the city, area 220 may present a stock market report and area 230 may present sports scores. Area 240 may be reserved for the closed captioning for the video in area 200 and area 250 may be provided for advertisements that are targeted to the end users. As noted above, the video portions of the presentation (presented in area 200) may be different for different areas. Similarly, different advertisements may be presented for different geographic areas. Ideally, up to  $\frac{3}{4}$  of the display screen may be devoted to advertising space. Devoting such a high proportion of the screen to revenue generating advertising should produce enough revenue for the operation of the system.

Referring to Figure 3, an alternative arrangement for the visual representational is illustrated. As can be seen, the main area of the screen is divided into multiple areas 200A, 200B, 200C, 200D. Each area may be dedicated to a different network video feed so that end users may have their choice of which program to view. Each video feed has its own audio feed which may be accessed by an end user as will be explained below.

Regarding the video display screens 90A-90K, these display screens are ideally deployed at publicly viewable areas. These may be deployed inside public transportation vehicles such as subway cars and buses and they may be deployed as static installations in subway/bus stations, busy street corners, and other areas of populace concentration. Plasma display screens may be used as the display screens and, in one embodiment, such screens may be hardened and configured to withstand the elements for an outside deployment. Such a deployment may be placed outside moving vehicles such as buses, thereby providing information dissemination to not only commuters inside the vehicle but commuters outside the vehicle as well. For such mobile deployments, wireless technology may be used to transmit the video feed to the video display screens. For static deployments, wired technology such as cable, optical, and other well-

known technologies, may be used for the transmission of the video feed to the video display screens. Other static deployments such as inside public transportation vehicles may use flat computer monitors to minimize deployment costs.

5 To avoid end user confusion due to the multiplicity of programs on a single screen as shown in Figure 3 static deployments inside transportation stations (e.g. train stations, bus stations, subway stations) and inside transportation vehicles may use multiple display screens with specific screens being dedicated to specific network video feeds. As an example, a single subway car may have  
10 10 screens with 3 screens being assigned to show a specific news channel video feed, (e.g. CNN), 4 screens being assigned to show a specific other broadcast network (e.g. NBC), and the rest being dedicated to show a youth oriented channel (e.g. MTV). The division of the number of screens dedicated to specific types of programming can be determined by the system operator with a view  
15 towards the possible viewers given the time of day. As an example, when students are likely to be the viewers, more screens would be dedicated to youth oriented programming.

To further lower deployment costs, manufacturers of the display screens could offer preferential pricing for their screens to those deploying and operating  
20 the system. Such a measure would provide the manufacturers free advertising as the public would be exposed to their product for free.

The audio portion of the system 10 operates in a similar manner with one important difference - end users can select which audio feed to access. As noted above, the audio feed signal is received by the audio transmission hubs  
25 40A, 40B. The different audio feeds can be accessed by tuning into or isolating the relevant audio feed from the rest of the audio feed signal. This is what the telephone interface 50 does, along with automatically receiving end user telephone calls and automatically routing the relevant audio feed to the relevant end user telephone call. The telephone interface 50 has multiple tuners with  
30 each tuner isolating or tuning into one of the audio feeds in the audio feed signal. Upon a request by an end user who is calling in, the relevant audio feed is diverted or routed to this end user.

The telephone interface 50 acts as an access point for end users. End users can call into the telephone interface (with the relevant telephone number perhaps flashed on the video display screens) and access a specific audio feed. To present a complete audio visual experience in conjunction with that with what is being presented on the video display screens, at least one of the audio feeds could be synchronized with the presentation on the video display screens. As an example, if geographic area A is showing video show A1 on screens 90A-90C and geographic area B is showing video show A2 on screens 90I-90K, end users in area A would need to access the audio feed synchronized the video show A1 while end users in the area B would need to access the audio feed synchronized to the video show A2. This may be done by an end user calling the telephone interface 50 and, after navigating an automated answering and menu system, accessing the relevant audio feed. This answering and menu system is well-known technology and is readily available. Thus, an end user in area A would, to get the proper audio visual experience, access a different audio feed from that accessed by an end user in area B. As yet another variant, the audio feed synchronized to a specific video show could be presented in different languages as separate audio feeds. As an example, video show A1 showing on screens 90A-90C could be synchronized to three different audio feeds - one audio feed being in English, another audio feed being in French, and a third audio feed being in Chinese. As such, an end user could access any one of the video feeds synchronized to that specific video show in the language of preference for the end user. Thus, a single video feed being presented in a specific geographic area could be accessible to people who do not necessarily speak the exact same language. Similarly, the closed captioning presented on the video display screens could be presented in multiple languages or, if one language is predominant in a specific area, the closed captioning could be presented in that single language. The technology for routing audio feeds synchronized to a video feed is currently available and used in passenger aircraft that provides in-flight entertainment. Adapting such technology with appropriate telephone menu technology will produce the requisite telephone interface described above.

It should be noted that the audio feeds available need not all be

synchronized to the video feeds. Other audio feeds, such as audio feeds that provide music, commentary, radio station feeds, and others, may be available, depending on the implementation. This system is ideally suited to be accessed by commuters with cellular or mobile phones 260. Commuters, while on their morning or afternoon commute may view the video display screens inside the public transportation vehicle or in the stations while waiting for the vehicles. In concert with this, the commuters can use their mobile telephones to call the telephone interface and listen in on the audio portion of the program being presented in area 200 of the video display screen. Alternatively, the commuter may decide not to view the video program on the video display screen but merely listen to some other audio program being presented as a separate audio feed through his or her mobile telephone. However, the system need not be limited to mobile telephones. End users who have, ideally, a landline speaker phone may also access the telephone interface to listen to the different available audio feeds at work or at home. To address the different tastes of different types of people, themed audio feeds, such as all-sports, all-classical music, all-news or all-music (with different audio feeds for different types of music) may also be available. As an alternative, end users equipped with mobile telephones may receive the different audio feeds using Bluetooth or Wi-Fi (IEEE 802.11) technology.

To accommodate the different regions in a large geographic area, multiple telephone interface/audio transmission hubs may be implemented, with different telephone interfaces serving different areas.

To allow for a financially self-sustaining system, advertising space may be sold on either the video feeds (as explained above) or in the audio feeds. Advertisements may be sold on a per display screen basis, a regional coverage basis, or on a visibility (time visible on screen) basis. Similarly, subscription fees may be collected from end users who wish to access the audio feed. Alternatively, the system could be free to mobile telephone users with the operational and deployment costs being borne by advertisers and/or public transportation bodies.

The system described above is flexible enough for many different types of advertising and promotions. As an example, advertisers could include in their

advertising a specific telephone code which users may enter while listening to an audio feed. Entering the code would then automatically connect the end user to the advertiser's telephone call-in center so the end user can then take advantage of the offer (e.g. a vacation trip for a low promotional price). Alternatively, end users may establish an account, with their credit cards on file, with the operators of the system. These end users may then do their shopping over the telephone based on what is being advertised on the display screens. End user choices, such as the colour, size, or type of merchandise, could be entered by the end user via the telephone keypad using specific telephone codes shown in the video feeds. To verify an end user's identity, PIN (personal identification numbers) could be associated with each end user account. Such PIN numbers would be required to validate/finalize the transaction before the end user's credit card is charged and before the item is shipped to the end user's on-file address or before the end user can pick up the item. As an alternative, an end user's bank account can be tied in with the end user's system account and the purchase price of the end-user's purchase can be automatically debited to from his/her bank account. The use of PIN numbers or some similar scheme for validation for this configuration would, of course, be required for security. End users can also be provided, by of way of their mobile telephone's screen, with different payment options. A dedicated PAY button on the mobile handset can be provided so that activation of this button brings up the end user's payment option.

The system also offers a myriad of advantages to society and the public in general. It may be used as part of a public broadcasting system to inform the populace of alerts or emergencies. It can also increase literacy as those without mobile phones will need to read the closed captioning and/or the text on-screen to determine what is being presented. It will also produce greater usage of public transportation vehicles as passengers are not only transported from one place to another but are also entertained. Such an increase in ridership may also augur an decrease in the number of vehicles on the road, thereby leading to a more environment-friendly society. The increased advertising may also lead to greater consumer spending, thereby fueling economic growth for the areas where the

system is deployed.

Although various exemplary embodiments of the invention have been disclosed, it should be apparent to those skilled in the art that various changes and modifications can be made which will achieve some of the advantages of the  
5 invention without departing from the true scope of the invention.

A person understanding this invention may now conceive of alternative structures and embodiments or variations of the above all of which are intended to fall within the scope of the invention as defined in the claims that follow.

We claim:

1. A system for distributing information to the public, said information comprising at least one video feed and a plurality of audio feeds, the system comprising:
  - a network hub for receiving said information from a source;
  - a plurality of publicly viewable video display screens;
  - 5       - at least one video distribution hub, the or each video distribution hub receiving one video feed from said network hub and transmitting said one video feed to at least one of said display screens;
  - at least one audio distribution hub, the or each audio distribution hub receiving said plurality of audio feeds from said network hub, each of said audio
  - 10       feeds being accessible by end users;
  - a telephone interface for receiving end user telephone calls for accessing said plurality of audio feeds said telephone interface communicating with said at least one audio distribution hub, said telephone interface automatically routing audio feeds from said at least one audio distribution hub to said end user
  - 15       telephone calls based on end user input,
  - wherein at least one audio feed is synchronized with one of the at least one video feed.
2. A system according to claim 1 wherein said network hub receives said information as separate video and audio feeds.
3. A system according to claim 1 wherein at least one audio feed received by said network hub is a themed audio feed.
4. A system according to claim 1 wherein at least one of said plurality of publicly viewable video display screens receives a video feed from said video distribution hub by wireless means.
5. A system according to claim 1 wherein at least one of said plurality of publicly

viewable video display screens receives a video feed from said video distribution hub through a closed circuit network.

6. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed outside a vehicle.

7. A system according to claim 4 wherein said at least one of said plurality of publicly viewable video display screens is deployed inside a vehicle.

8. A system according to claim 1 wherein said network hub receives multiple video feeds, each of said multiple video feeds being transmitted to said video display screens located in different geographic regions.

9. A system according to claim 1 wherein said at least one video feed is provided with closed captioning.

10. A system according to claim 1 wherein said at least one video feed is provided with advertisements.

11. A system for providing at least one audio feed to end users, the system comprising:

- a network hub for receiving at least one audio feed;
- at least one audio distribution hub receiving said at least one audio feed

5 from said network hub:

- a telephone interface for receiving telephone calls from said end users, said interface communicating with said at least one audio distribution hub and said telephone interface automatically routing said at least one audio feed to said telephone calls based on input from said end users.

12. A system according to claim 11 wherein a plurality of audio feeds are received by said network hub and at least one of said plurality of audio feeds is synchronized with a video feed.

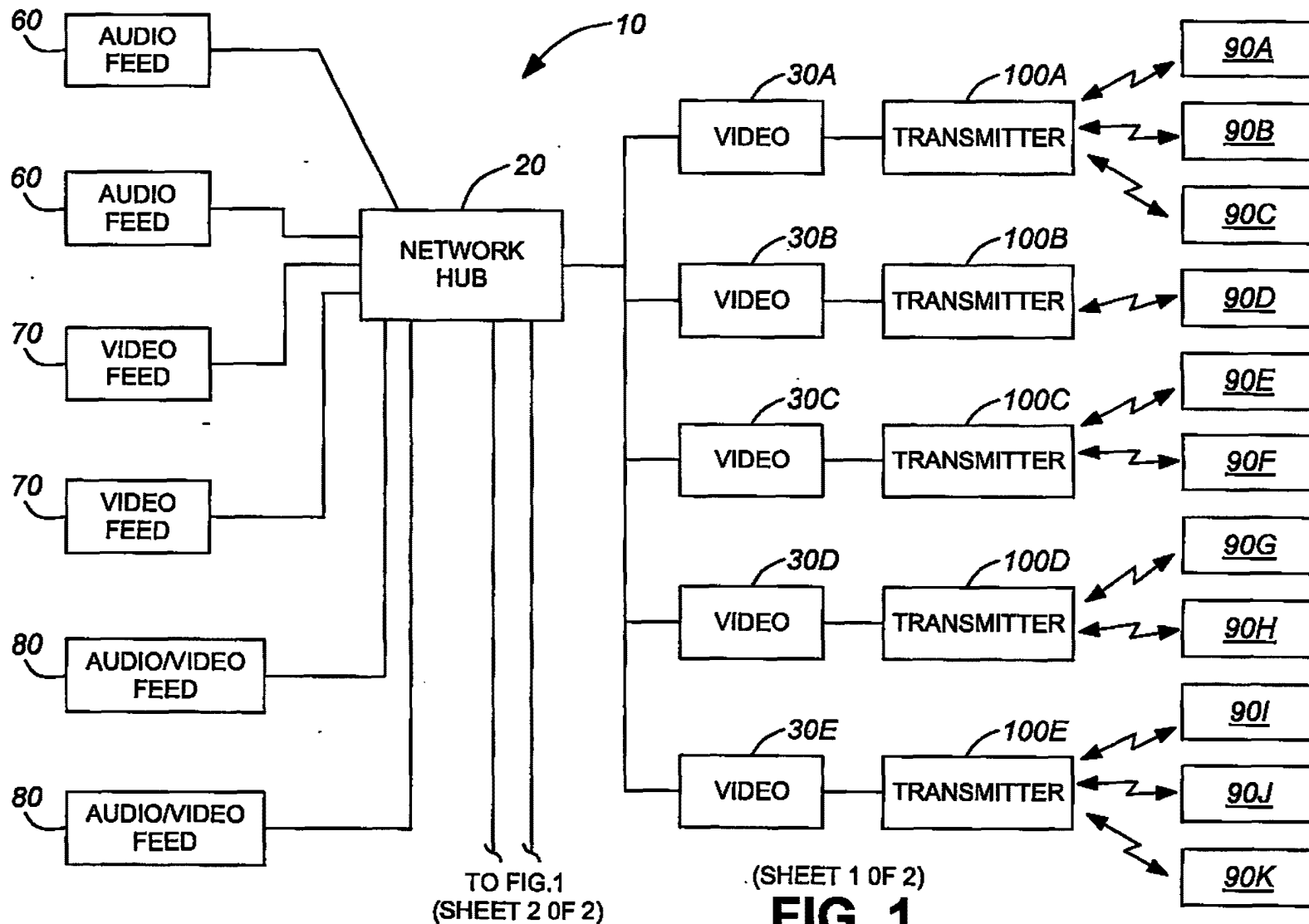
13. A system according to claim 12 wherein said video feed is publicly viewable.

14. A system according to claim 12 wherein said telephone interface receives end user input relating to goods or services offered for sale to said end users through said video feed.

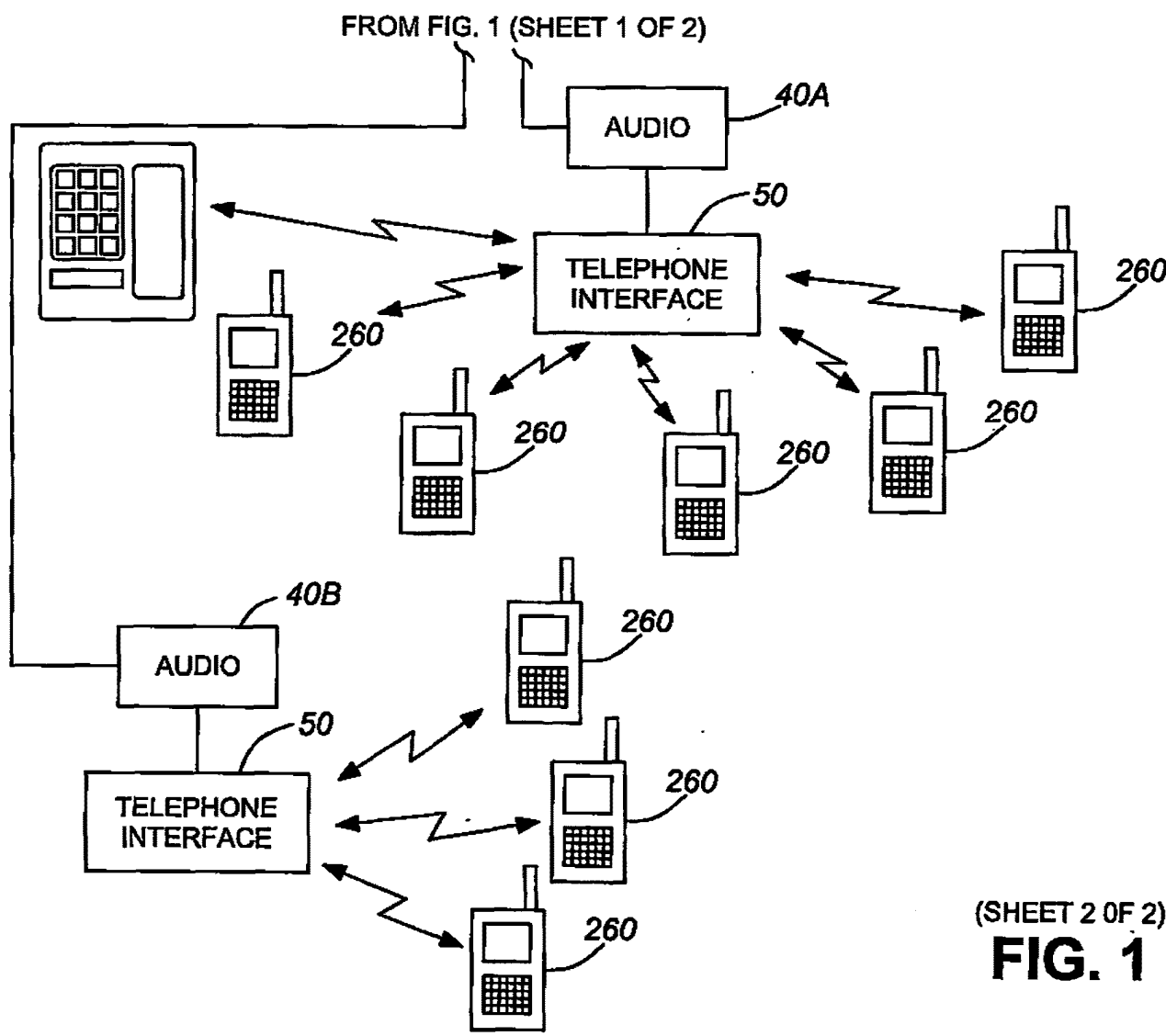
15. A system according to claim 1 wherein said telephone interface receives end user input relating to goods or services offered for sale to end users through said at least one video feed.

16. A system according to claim 14 wherein said end user input comprises specific codes shown on said video feed for ordering said goods or services.

17. A system according to claim 15 wherein said end user input comprises specific codes shown on said video feed for ordering said goods or services.



(SHEET 1 OF 2)  
**FIG. 1**



(SHEET 2 OF 2)  
**FIG. 1**

3/3

|            |            |
|------------|------------|
| <u>200</u> | <u>210</u> |
|            | <u>220</u> |
| <u>240</u> | <u>230</u> |
| <u>250</u> |            |

**FIG. 2**

|             |             |            |
|-------------|-------------|------------|
| <u>200A</u> | <u>200B</u> | <u>210</u> |
| <u>240A</u> | <u>240B</u> | <u>220</u> |
| <u>200C</u> | <u>200D</u> | <u>230</u> |
| <u>240C</u> | <u>240D</u> |            |
| <u>250</u>  |             |            |

**FIG. 3**

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N B64D H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                      | Relevant to claim No. |
|------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | WO 98/11686 A (EVENSEN KAREN ; TROXEL ROBERT (US); WAKAI BRUCE M (US); BOOTH MARC (US) 19 March 1998 (1998-03-19)       | 1-3, 5, 8, 10-17      |
| Y          | abstract<br>page 1, line 11 - page 2, line 9<br>page 3, line 20 - page 3, line 31<br>page 17, line 5 - page 17, line 23 | 4, 6, 7, 9            |
| X          | US 5 412 708 A (KATZ RONALD A) 2 May 1995 (1995-05-02)                                                                  | 11                    |
| A          | abstract<br><br>column 1, line 44 - column 3, line 48<br><br>-/--                                                       | 1-10, 12-17           |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the International search

16 July 2004

Date of mailing of the International search report

26/07/2004

Name and mailing address of the ISA

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Authorized officer

Schoeyer, M

IPR2024-00731

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000513

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                              | Relevant to claim No.            |
|------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------|
| Y<br>A     | WO 01/33859 A (GLASER DONALD A)<br>10 May 2001 (2001-05-10)<br>abstract<br><br>page 3, line 8 - page 3, line 27 | 4,6,7,9<br><br>1-3,5,8,<br>10-17 |
| Y          | US 5 896 129 A (MURPHY JOHN F ET AL)<br>20 April 1999 (1999-04-20)<br>abstract                                  | 9                                |

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|---|---------------------|----------------------------|---------------------|
| WO 9811686                                | A | 19-03-1998          | AU 4256697 A               | 02-04-1998          |
|                                           |   |                     | WO 9811686 A2              | 19-03-1998          |
| US 5412708                                | A | 02-05-1995          | CA 2157895 A1              | 15-09-1994          |
|                                           |   |                     | CA 2460488 A1              | 15-09-1994          |
|                                           |   |                     | DE 1126715 T1              | 07-02-2002          |
|                                           |   |                     | DE 69429083 D1             | 20-12-2001          |
|                                           |   |                     | DE 69429083 T2             | 29-08-2002          |
|                                           |   |                     | EP 1126715 A2              | 22-08-2001          |
|                                           |   |                     | EP 0688489 A1              | 27-12-1995          |
|                                           |   |                     | JP 8510873 T               | 12-11-1996          |
|                                           |   |                     | JP 2001339704 A            | 07-12-2001          |
|                                           |   |                     | WO 9421084 A1              | 15-09-1994          |
|                                           |   |                     | US 5495284 A               | 27-02-1996          |
|                                           |   |                     | US 6323894 B1              | 27-11-2001          |
|                                           |   |                     | US 2003156185 A1           | 21-08-2003          |
|                                           |   |                     | US 2001031044 A1           | 18-10-2001          |
|                                           |   |                     | US 2003040981 A1           | 27-02-2003          |
|                                           |   |                     | US 2003185356 A1           | 02-10-2003          |
|                                           |   |                     | US 2002101504 A1           | 01-08-2002          |
|                                           |   |                     | US 2004076275 A1           | 22-04-2004          |
|                                           |   |                     | US 2004111752 A1           | 10-06-2004          |
|                                           |   |                     | US 2004109058 A1           | 10-06-2004          |
|                                           |   |                     | US 2004109547 A1           | 10-06-2004          |
| WO 0133859                                | A | 10-05-2001          | AU 2918601 A               | 14-05-2001          |
|                                           |   |                     | WO 0133859 A1              | 10-05-2001          |
| US 5896129                                | A | 20-04-1999          | NONE                       |                     |

Doc Code: OATH

PTO/SB/01 (05-08)

Approved for use through 08/30/2010. OMB 0651-0032  
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|                                                                                                                                                                                                  |  |                          |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|------------------|
| <b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b><br><b>(37 CFR 1.63)</b>                                                                                                              |  | Attorney Docket Number   | 16441NP          |
|                                                                                                                                                                                                  |  | First Named Inventor     | Paul PONIATOWSKI |
| <input checked="" type="checkbox"/> Declaration Submitted With Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (f)) required) |  | <b>COMPLETE IF KNOWN</b> |                  |
|                                                                                                                                                                                                  |  | Application Number       | 12/087539        |
|                                                                                                                                                                                                  |  | Filing Date              |                  |
|                                                                                                                                                                                                  |  | Art Unit                 |                  |
|                                                                                                                                                                                                  |  | Examiner Name            |                  |

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 7 APRIL 2004

as United States Application Number or PCT International

Application Number PCT/CA2004/000513 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

**Authorization To Permit Access To Application by Participating Offices**

☐ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified application, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified US application, and 3) any U.S. application from which benefit is sought in the above-identified application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

[Page 1 of 3]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**DECLARATION — Utility or Design Patent Application**

**Claim of Foreign Priority Benefits**

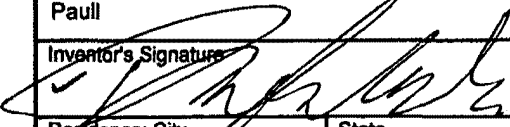
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application<br>Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority<br>Not Claimed  | Certified Copy Attached? |                          |
|----------------------------------------|---------|-------------------------------------|--------------------------|--------------------------|--------------------------|
|                                        |         |                                     |                          | YES                      | NO                       |
|                                        |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                        |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                        |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                        |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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**DECLARATION — Utility or Design Patent Application**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                                                               |              |                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------|-------------------------------------------------------|
| Direct all correspondence to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> The address associated with Customer Number: | 000293                                                                        | OR           | <input type="checkbox"/> Correspondence address below |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                                                                               |              |                                                       |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                  |                                                                               |              |                                                       |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  | State                                                                         | ZIP          |                                                       |
| Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Telephone                                                                        |                                                                               | Email        |                                                       |
| <b>WARNING:</b><br>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: Patent Application Files. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: Deposit Accounts and Electronic Funds Transfer Profiles. |                                                                                  |                                                                               |              |                                                       |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  |                                                                               |              |                                                       |
| NAME OF SOLE OR FIRST INVENTOR:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |              |                                                       |
| Given Name (first and middle [if any])                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  | Family Name or Surname                                                        |              |                                                       |
| Paul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  | PONIATOWSKI                                                                   |              |                                                       |
| Inventor's Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                                                                               | Date         |                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |                                                                               | 23 JUNE 2008 |                                                       |
| Residence: City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | State                                                                            | Country                                                                       | Citizenship  |                                                       |
| TORONTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ONTARIO                                                                          | CANADA                                                                        | CA           |                                                       |
| Mailing Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                                                               |              |                                                       |
| 74 GLEN AGAR. DR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                  |                                                                               |              |                                                       |
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| ETOBICOKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ONTARIO                                                                          | M9B-5M1                                                                       | CANADA       |                                                       |
| <input type="checkbox"/> Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |                                                                               |              |                                                       |

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

**U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET**

07/16/2008 LLANDGRA 00000063 12087539

|            |           |
|------------|-----------|
| 01 FC:2631 | 155.00 OP |
| 02 FC:2633 | 105.00 OP |
| 03 FC:2632 | 255.00 OP |

PTO-1556  
(5/87)

\*U.S. Government Printing Office: 2002-489-267/69033

|                                                                                                                                                                                               |  |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>                                                       |  | ATTORNEY'S DOCKET NUMBER<br>16441NP                                                 |
| INTERNATIONAL APPLICATION NO.<br>PCT/CA2004/000513                                                                                                                                            |  | U.S. APPLICATION NO. <b>12/087539</b><br><small>(if known, see 37 CFR 1.53)</small> |
| INTERNATIONAL FILING DATE<br>April 7, 2004                                                                                                                                                    |  | PRIORITY DATE CLAIMED<br>April 7, 2003                                              |
| TITLE OF INVENTION<br><b>AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM</b>                                                                                                                    |  |                                                                                     |
| APPLICANT(S) FOR DO/EO/US<br>Paul PONIATOWSKI                                                                                                                                                 |  |                                                                                     |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:                                                               |  |                                                                                     |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.                                                                |  |                                                                                     |
| 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.                                                     |  |                                                                                     |
| 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |  |                                                                                     |
| 4. <input type="checkbox"/> The US has been elected (Article 31).                                                                                                                             |  |                                                                                     |
| 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))                                                                                 |  |                                                                                     |
| a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).                                                                    |  |                                                                                     |
| b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.                                                                                                     |  |                                                                                     |
| c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).                                                                      |  |                                                                                     |
| 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).                                                                  |  |                                                                                     |
| a. <input type="checkbox"/> is attached hereto.                                                                                                                                               |  |                                                                                     |
| b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).                                                                                                          |  |                                                                                     |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))                                                              |  |                                                                                     |
| a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).                                                                              |  |                                                                                     |
| b. <input type="checkbox"/> have been communicated by the International Bureau.                                                                                                               |  |                                                                                     |
| c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.                                                                           |  |                                                                                     |
| d. <input type="checkbox"/> have not been made and will not be made.                                                                                                                          |  |                                                                                     |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).                                                       |  |                                                                                     |
| 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).                                                                                       |  |                                                                                     |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                   |  |                                                                                     |
| <b>Items 11 to 20 below concern document(s) or information included:</b>                                                                                                                      |  |                                                                                     |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.                                                                                                  |  |                                                                                     |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.                                                |  |                                                                                     |
| 13. <input type="checkbox"/> A preliminary amendment.                                                                                                                                         |  |                                                                                     |
| 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.                                                                                                          |  |                                                                                     |
| 15. <input type="checkbox"/> A substitute specification.                                                                                                                                      |  |                                                                                     |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter.                                                                                                             |  |                                                                                     |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.                                                    |  |                                                                                     |
| 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).                                                                              |  |                                                                                     |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).                                                    |  |                                                                                     |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

|                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                               |          |                          |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------|----------|--------------------------|--------------|
| U.S. APPLICATION NO. (if known) See 37 CFR 1.53                                                                                                                                                                                                                                                                                                             |                                     | INTERNATIONAL APPLICATION NO.                                                 |          | ATTORNEY'S DOCKET NUMBER |              |
| 12/087539                                                                                                                                                                                                                                                                                                                                                   |                                     | PCT/CA2004/000513                                                             |          | 16441NP                  |              |
| 20. Other items or information:<br>PETITION TO REVIVE UNINTENTIONAL ABANDONED APPLICATION                                                                                                                                                                                                                                                                   |                                     |                                                                               |          |                          |              |
| The following fees have been submitted                                                                                                                                                                                                                                                                                                                      |                                     |                                                                               |          | CALCULATIONS             | PTO USE ONLY |
| 21.                                                                                                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Basic national fee (37 CFR 1.492(a)).....                                     |          | \$ 310                   |              |
| 22.                                                                                                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Examination fee (37 CFR 1.492(c))                                             |          | \$ 210                   |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....                                                                                                                                                                     |                                     |                                                                               |          | \$ 0                     |              |
| All other situations.....                                                                                                                                                                                                                                                                                                                                   |                                     |                                                                               |          | \$ 210                   |              |
| 23.                                                                                                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Search fee (37 CFR 1.492(b))                                                  |          | \$ 510                   |              |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....                                                                                                                                                                          |                                     |                                                                               |          | \$ 0                     |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....                                                                                                                                                                                                                    |                                     |                                                                               |          | \$ 100                   |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....                                                                                                                                                                                                             |                                     |                                                                               |          | \$ 410                   |              |
| All other situations.....                                                                                                                                                                                                                                                                                                                                   |                                     |                                                                               |          | \$ 510                   |              |
| TOTAL OF 21, 22 and 23 =                                                                                                                                                                                                                                                                                                                                    |                                     |                                                                               |          |                          |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$260 for each additional 50 sheets of paper or fraction thereof. |                                     |                                                                               |          |                          |              |
| Total Sheets                                                                                                                                                                                                                                                                                                                                                | Extra Sheets                        | Number of each additional 50 or fraction thereof (round up to a whole number) |          | RATE                     |              |
| - 100 =                                                                                                                                                                                                                                                                                                                                                     | /50 =                               |                                                                               |          | x \$260                  | \$           |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).                                                                                                                                                                             |                                     |                                                                               |          | \$                       |              |
| CLAIMS                                                                                                                                                                                                                                                                                                                                                      | NUMBER FILED                        | NUMBER EXTRA                                                                  | RATE     | \$                       |              |
| Total claims                                                                                                                                                                                                                                                                                                                                                | - 20 =                              |                                                                               | x \$ 50  | \$                       |              |
| Independent claims                                                                                                                                                                                                                                                                                                                                          | - 3 =                               |                                                                               | x \$ 210 | \$                       |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)                                                                                                                                                                                                                                                                                                                 |                                     |                                                                               | + \$ 370 | \$                       |              |
| TOTAL OF ABOVE CALCULATIONS =                                                                                                                                                                                                                                                                                                                               |                                     |                                                                               |          | \$ 1030                  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.                                                                                                                                                                                                                                              |                                     |                                                                               |          | 515                      |              |
| SUBTOTAL =                                                                                                                                                                                                                                                                                                                                                  |                                     |                                                                               |          | \$ 515                   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).                                                                                                                                                                                                           |                                     |                                                                               |          | \$                       |              |
| TOTAL NATIONAL FEE =                                                                                                                                                                                                                                                                                                                                        |                                     |                                                                               |          | \$ 515.00                |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property                                                                                                                                                                                      |                                     |                                                                               |          | \$                       |              |
| TOTAL FEES ENCLOSED =                                                                                                                                                                                                                                                                                                                                       |                                     |                                                                               |          | \$                       |              |
|                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                               |          | Amount to be refunded:   | \$           |
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12/087539

PTO-1390 (Rev. 09-2007)

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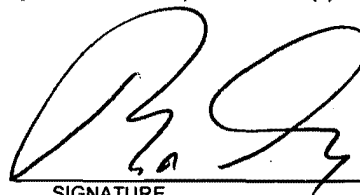
- LAP05Rec'd PCT 09 JUL 2008
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- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO.

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**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

000293



SIGNATURE

Ralph A. Dowell

NAME

26868

REGISTRATION NUMBER

|                                                                                                                                                                                               |  |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>                                                       |  | ATTORNEY'S DOCKET NUMBER<br>16441NP                                                 |
| INTERNATIONAL APPLICATION NO.<br>PCT/CA2004/000513                                                                                                                                            |  | U.S. APPLICATION NO. <b>12/087539</b><br><small>(if known, see 37 CFR 1.53)</small> |
| INTERNATIONAL FILING DATE<br>April 7, 2004                                                                                                                                                    |  | PRIORITY DATE CLAIMED<br>April 7, 2003                                              |
| TITLE OF INVENTION<br><b>AUDIO/VISUAL INFORMATION DISSEMINATION SYSTEM</b>                                                                                                                    |  |                                                                                     |
| APPLICANT(S) FOR DO/EO/US<br>Paul PONIATOWSKI                                                                                                                                                 |  |                                                                                     |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:                                                               |  |                                                                                     |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.                                                                |  |                                                                                     |
| 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.                                                     |  |                                                                                     |
| 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |  |                                                                                     |
| 4. <input type="checkbox"/> The US has been elected (Article 31).                                                                                                                             |  |                                                                                     |
| 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))                                                                                 |  |                                                                                     |
| a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).                                                                    |  |                                                                                     |
| b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.                                                                                                     |  |                                                                                     |
| c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).                                                                      |  |                                                                                     |
| 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).                                                                  |  |                                                                                     |
| a. <input type="checkbox"/> is attached hereto.                                                                                                                                               |  |                                                                                     |
| b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).                                                                                                          |  |                                                                                     |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))                                                              |  |                                                                                     |
| a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).                                                                              |  |                                                                                     |
| b. <input type="checkbox"/> have been communicated by the International Bureau.                                                                                                               |  |                                                                                     |
| c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.                                                                           |  |                                                                                     |
| d. <input type="checkbox"/> have not been made and will not be made.                                                                                                                          |  |                                                                                     |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).                                                       |  |                                                                                     |
| 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).                                                                                       |  |                                                                                     |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                   |  |                                                                                     |
| <b>Items 11 to 20 below concern document(s) or information included:</b>                                                                                                                      |  |                                                                                     |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.                                                                                                  |  |                                                                                     |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.                                                |  |                                                                                     |
| 13. <input type="checkbox"/> A preliminary amendment.                                                                                                                                         |  |                                                                                     |
| 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.                                                                                                          |  |                                                                                     |
| 15. <input type="checkbox"/> A substitute specification.                                                                                                                                      |  |                                                                                     |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter.                                                                                                             |  |                                                                                     |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.                                                    |  |                                                                                     |
| 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).                                                                              |  |                                                                                     |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).                                                    |  |                                                                                     |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

|                                                                                                                                                                                                                                                                             |                                     |                                                                               |         |                          |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------|---------|--------------------------|--------------|
| U.S. APPLICATION NO. (if known) See 37 CFR 1.53                                                                                                                                                                                                                             |                                     | INTERNATIONAL APPLICATION NO.                                                 |         | ATTORNEY'S DOCKET NUMBER |              |
| 12/087539                                                                                                                                                                                                                                                                   |                                     | PCT/CA2004/000513                                                             |         | 16441NP                  |              |
| 20. Other items or information:<br>PETITION TO REVIVE UNINTENTIONAL ABANDONED APPLICATION                                                                                                                                                                                   |                                     |                                                                               |         |                          |              |
| The following fees have been submitted                                                                                                                                                                                                                                      |                                     |                                                                               |         | CALCULATIONS             | PTO USE ONLY |
| 21.                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Basic national fee (37 CFR 1.492(a))                                          | \$310   | \$ 310                   |              |
| 22.                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Examination fee (37 CFR 1.492(c))                                             |         | \$ 210                   |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....                                                                                     |                                     |                                                                               |         |                          |              |
| All other situations.....                                                                                                                                                                                                                                                   |                                     |                                                                               |         | \$0                      |              |
|                                                                                                                                                                                                                                                                             |                                     |                                                                               |         | \$210                    |              |
| 23.                                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | Search fee (37 CFR 1.492(b))                                                  |         | \$ 510                   |              |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....                                                                                          |                                     |                                                                               |         |                          |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....                                                                                                                                    |                                     |                                                                               |         | \$0                      |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....                                                                                                                             |                                     |                                                                               |         | \$100                    |              |
| All other situations.....                                                                                                                                                                                                                                                   |                                     |                                                                               |         | \$410                    |              |
|                                                                                                                                                                                                                                                                             |                                     |                                                                               |         | \$510                    |              |
| TOTAL OF 21, 22 and 23 =                                                                                                                                                                                                                                                    |                                     |                                                                               |         |                          |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). |                                     |                                                                               |         |                          |              |
| The fee is \$260 for each additional 50 sheets of paper or fraction thereof.                                                                                                                                                                                                |                                     |                                                                               |         |                          |              |
| Total Sheets                                                                                                                                                                                                                                                                | Extra Sheets                        | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE    |                          |              |
| - 100 =                                                                                                                                                                                                                                                                     | /50 =                               |                                                                               | x \$260 | \$                       |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).                                                                                             |                                     |                                                                               |         | \$                       |              |
| CLAIMS                                                                                                                                                                                                                                                                      | NUMBER FILED                        | NUMBER EXTRA                                                                  | RATE    | \$                       |              |
| Total claims                                                                                                                                                                                                                                                                | - 20 =                              |                                                                               | x \$ 50 | \$                       |              |
| Independent claims                                                                                                                                                                                                                                                          | - 3 =                               |                                                                               | x \$210 | \$                       |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)                                                                                                                                                                                                                                 |                                     |                                                                               | + \$370 | \$                       |              |
| TOTAL OF ABOVE CALCULATIONS =                                                                                                                                                                                                                                               |                                     |                                                                               |         | \$ 1030                  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.                                                                                                                                                              |                                     |                                                                               |         | 515                      |              |
| SUBTOTAL =                                                                                                                                                                                                                                                                  |                                     |                                                                               |         | \$ 515                   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).                                                                                                                           |                                     |                                                                               |         | \$                       |              |
| TOTAL NATIONAL FEE =                                                                                                                                                                                                                                                        |                                     |                                                                               |         | \$ 515.00                |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property                                                                                                      |                                     |                                                                               |         | \$                       |              |
| TOTAL FEES ENCLOSED =                                                                                                                                                                                                                                                       |                                     |                                                                               |         | \$                       |              |
|                                                                                                                                                                                                                                                                             |                                     |                                                                               |         | Amount to be refunded:   | \$           |
|                                                                                                                                                                                                                                                                             |                                     |                                                                               |         | Amount to be charged     | \$           |

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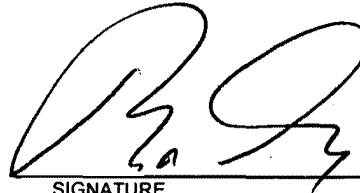
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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
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NAME

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