

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3360266

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CERTIFICATE OF OWNERSHIP AND MERGER

CONVEYING PARTY DATA

Name	Execution Date
AUDIOVOX CORPORATION	11/29/2011

RECEIVING PARTY DATA

Name:	VOXX INTERNATIONAL CORPORATION
Street Address:	180 MARCUS BOULEVARD
City:	HAUPPAUGE
State/Country:	NEW YORK
Postal Code:	11788

PROPERTY NUMBERS Total: 5

Property Type	Number
Patent Number:	5775762
Patent Number:	6678892
Patent Number:	7050124
Patent Number:	7245274
Patent Number:	7839355

CORRESPONDENCE DATA

Fax Number: (516)802-7008
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.
Phone: 5168027007
Email: pjuergensen@levystopol.com
Correspondent Name: PAUL JUERGENSEN
Address Line 1: 1425 RXR PLAZA
Address Line 4: UNIONDALE, NEW YORK 11556

NAME OF SUBMITTER:	PAUL A. JUERGENSEN
SIGNATURE:	/paul a. juergensen/
DATE SIGNED:	05/19/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4
 source=VoxxInternationalCertificateofMerger-Filed#page1.tif

source=VoxxInternationalCertificateofMerger-Filed#page2.tif
source=VoxxInternationalCertificateofMerger-Filed#page3.tif
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Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"VOXX INTERNATIONAL CORPORATION", A DELAWARE CORPORATION, WITH AND INTO "AUDIOVOX CORPORATION" UNDER THE NAME OF "VOXX INTERNATIONAL CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIRST DAY OF DECEMBER, A.D. 2011, AT 11:09 O'CLOCK A.M.

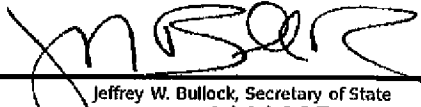
A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE KENT COUNTY RECORDER OF DEEDS.

2123128 8100M

111244354

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 9191885

DATE: 12-01-11

CERTIFICATE OF OWNERSHIP AND MERGER
MERGING
VOXX INTERNATIONAL CORPORATION,
A DELAWARE CORPORATION
WITH AND INTO
AUDIOVOX CORPORATION,
A DELAWARE CORPORATION

(Pursuant to Section 253 of the General Corporation Law of Delaware)

AUDIOVOX CORPORATION (the "Corporation"), a corporation incorporated on the 10th day of April, 1987, pursuant to the provisions of the General Corporation Law of the State of Delaware, does hereby certify as follows:

1. That the Corporation is organized and existing under the General Corporation Law of the State of Delaware.
2. That the Corporation owns 100% of the outstanding capital stock of VOXX INTERNATIONAL CORPORATION, a Delaware corporation ("VIC") incorporated on the 5th day of October, 2011, pursuant to the provisions of the General Corporation Law of the State of Delaware.
3. That the Corporation determined to merge VIC into itself (the "Merger") by resolution of its board of directors attached hereto as Exhibit A, duly adopted on the 11th day of October, 2011.
4. Pursuant to Section 253(b) of the General Corporation Law of Delaware the name of the corporation surviving the merger shall be VOXX INTERNATIONAL CORPORATION, and Article One of the Amended and Restated Certificate of Incorporation of the Corporation shall be amended to read as follows:

"The name of this corporation is VOXX INTERNATIONAL CORPORATION."

5. The Merger shall become effective upon filing with the Delaware Secretary of State.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by its duly authorized officer on this 29th day of November, 2011.

AUDIOVOX CORPORATION

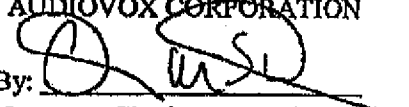
By: 
Name: Charles M. Stoehr
Title: Senior VP & CFO

EXHIBIT A

Resolutions of the Board of Directors of Audiovox Corporation,
a Delaware Corporation (the "Corporation")

Merger with VOXX INTERNATIONAL CORPORATION

WHEREAS, the Corporation owns 100% of the outstanding capital stock of VOXX INTERNATIONAL CORPORATION, a corporation organized and existing under the laws of the State of Delaware under the name "VOXX INTERNATIONAL CORP.", which corporation's name was changed to "VOXX INTERNATIONAL CORPORATION" on October 26, 2011 ("VOXX INTERNATIONAL") and,

WHEREAS, the Board desires that VOXX INTERNATIONAL merge with and into the Corporation and that the Corporation possess itself of all the estate, property, rights, privileges and franchises of VOXX INTERNATIONAL;

NOW, THEREFORE, BE IT RESOLVED that the Board hereby authorizes the merger of VOXX INTERNATIONAL with and into the Corporation, with the Corporation continuing as the surviving corporation (the "Merger"); and it was

RESOLVED FURTHER, that upon the effective date of the Merger, the name of the Corporation shall be changed from "Audiovox Corporation" to "VOXX INTERNATIONAL CORPORATION" pursuant to Section 253(b) of the Delaware General Corporation Law; and it was

RESOLVED FURTHER, that upon the effective date of the Merger, the Corporation shall assume any and all assets, obligations and liabilities of VOXX INTERNATIONAL pursuant to Section 253 of the Delaware General Corporation Law; and it was

RESOLVED FURTHER, that each outstanding share of capital stock of VOXX INTERNATIONAL will be canceled and extinguished upon the effectiveness of the Merger, and no consideration shall be issued in exchange therefor; and it was

RESOLVED FURTHER, that the officers of the Corporation be and hereby are directed to make and execute a Certificate of Ownership and Merger setting forth a copy of the resolution to merge VOXX INTERNATIONAL with and into the Corporation and assume VOXX INTERNATIONAL's assets, liabilities and obligations, and the date of adoption thereof, and to file the same in the office of the Secretary of State of the State of Delaware; and it was

RESOLVED FURTHER, that the Merger of VOXX INTERNATIONAL with and into the Corporation shall become effective upon the filing of the Certificate of Ownership and Merger with the Secretary of State of the State of Delaware as provided for therein; and it was

RESOLVED FURTHER, that the Certificate of Ownership and Merger in the form attached hereto as Annex A be and hereby is approved and adopted in all respects; and it was

RESOLVED FURTHER, that upon the effective time of the Merger, the Amended and Restated Certificate of Incorporation of the Corporation (the "Certificate of Incorporation") in effect immediately prior to the effectiveness of the Merger shall continue to be the Certificate of Incorporation of the Corporation; provided, however, that the amendment to Article One of said Certificate of Incorporation as is effected by the merger is as follows: "The name of this corporation is VOXX INTERNATIONAL CORPORATION"; and it was further

RESOLVED FURTHER, that upon the effective time of the Merger, the directors and officers of the Corporation, as constituted immediately prior to the effectiveness of the Merger, shall continue to be the directors and officers of the Corporation; and it was

RESOLVED FURTHER, that each stock certificate evidencing the ownership of each share of Common Stock of the Corporation issued and outstanding immediately prior to the effective time of the merger shall continue to evidence ownership of the shares of the Corporation; and it was

RESOLVED FURTHER, that each stock certificate evidencing the ownership of Common Stock of Corporation issued anytime after the effective time of the merger shall be in the form of the stock certificate attached hereto as Annex B or as otherwise approved by the Appropriate Officers of the Corporation; and it was

RESOLVED FURTHER, that the Board hereby authorizes, directs and empowers the Chief Executive Officer, the Executive Vice Presidents, Senior Vice Presidents and Vice Presidents of the Corporation (the "Appropriate Officers"), and each of them, for and on behalf of the Corporation, to take any and all such actions, and prepare, execute and deliver any and all such documents, including filing of the Certificate of Ownership and Merger, as may be necessary or advisable to carry out the foregoing resolutions, and hereby ratifies and confirms any and all actions taken heretofore to accomplish such purposes.

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court for the Eastern District of New York on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. CV 11-3824	DATE FILED August 8, 2011	U.S. DISTRICT COURT Eastern District of New York
PLAINTIFF Audiovox Corporation		DEFENDANT AVA Enterprises Inc. d/b/a Boss Audio Systems
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,245,274	Jul. 17, 2007	Audiovox Corporation
2 6,899,365	May 31, 2005	Audiovox Corporation
3 7,354,091	Apr. 8, 2008	Audiovox Corporation
4 7,050,124	May 23, 2006	Audiovox Corporation
5 7,333,009	Feb. 19, 2008	Audiovox Corporation

and those listed below:

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED August 8, 2011	INCLUDED BY <input checked="" type="checkbox"/> Complaint <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
6 5,775,762	Jul. 7, 1998	Audiovox Corporation
7 7,548,413	Jun. 16, 2009	Audiovox Corporation
8 7,839,355	Nov. 23, 2010	Audiovox Corporation
9 6,678,892	Jan. 13, 2004	Audiovox Corporation
10		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of New York on the following Patents or Trademarks:

DOCKET NO. 09CV687 (TCP)	DATE FILED February 18, 2009	U.S. DISTRICT COURT Eastern District of New York
PLAINTIFF Audiovox Corporation		DEFENDANT FORJ Enterprises, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	7,245,274	*SEE ATTACHED COMPLAINT FOR DETAILS
2	5,775,762	
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Robert C. Heinemann	(BY) DEPUTY CLERK 	DATE February 23, 2009
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

ORIGINAL

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF NEW YORK**

FILED

IN CLERK'S OFFICE
U.S. DISTRICT COURT E.D.N.Y.

★ FEB 18 2009

Civil Action No.

BROOKLYN OFFICE

AUDIOVOX CORPORATION,

Plaintiff,

- v. -

FORJ ENTERPRISES, INC.

Defendant.

**COMPLAINT FOR PATENT
INFRINGEMENT AND DEMAND
FOR JURY TRIAL**

PLATT, J. LINDSAY, M.J.

X

Plaintiff Audiovox Corporation ("Audiovox"), for its complaint against defendant FORJ Enterprises, Inc. ("FORJ"), alleges and states as follows:

NATURE OF THE ACTION

1. Audiovox seeks injunctive relief and damages as a result of FORJ's infringement of U.S. Patent Nos. 7,245,274 ("the '274 Patent") and 5,775,762 ("the '762 Patent").

PARTIES

2. Audiovox is a corporation organized and existing under the laws of Delaware, with its principal place of business at 180 Marcus Boulevard, Hauppauge, New York.

3. Upon information and belief, FORJ is a corporation organized and existing under the laws of Pennsylvania, with a place of business at 557 Valley View Road, Springfield, Pennsylvania.

JURISDICTION AND VENUE

4. This Court has subject matter jurisdiction under the provisions of 28 U.S.C. §§ 1331 and 1338(a), because this is an action for patent infringement arising under the laws of the

United States, including 35 U.S.C. §§ 271 and 281-285.

5. Upon information and belief, FORJ has transacted business and has committed tortious acts of patent infringement within the State of New York and within this Judicial District with respect to the '274 and '762 Patents, and is thereby subject to the personal jurisdiction of this Court.

6. Venue is proper in this Judicial District under 28 U.S.C. §§ 1391 and 1400(b).

Count I: FORJ's Infringement Of The '274 Patent

7. Audiovox is the legal owner by assignment of the '274 Patent, a copy of which is attached hereto as Exhibit A. The '274 patent, entitled "Headrest Mountable Video System", was duly and lawfully issued by the U.S. Patent and Trademark Office on July 17, 2007.

8. Audiovox markets and sells, throughout the United States, headrest mountable video systems embodying the claimed invention of the '274 Patent through its wholly owned subsidiary, Audiovox Electronics Corporation ("Audiovox Electronics"). Audiovox Electronics is a corporation organized and existing under the laws of the State of Delaware, with its principal place of business at 180 Marcus Boulevard, Hauppauge, New York. All profits from Audiovox Electronics' sales of video systems embodying the patented invention flow to Audiovox.

9. Upon information and belief, FORJ has infringed and continues to infringe (directly, indirectly, contributorily and/or by inducement) the '274 Patent by making, using, importing, offering to sell and/or selling (directly or through intermediaries) headrest mountable video systems embodying one or more of the Patent's claims in this Judicial District and elsewhere, including, for example, the DVD72HR video system.

10. Upon information and belief, FORJ's infringement of the '274 Patent has been, and continues to be, willful, deliberate, intentional and without color of right.

11. Upon information and belief, FORJ's willful infringement of the '274 Patent will continue unless permanently enjoined.

12. Audiovox has suffered and will continue to suffer irreparable harm by reason of FORJ's infringement of the '274 Patent, including, *inter alia*, lost profits and the erosion of Audiovox's statutory right to exclude others from practicing the claimed invention.

13. Audiovox is entitled to all damages adequate to fully compensate Audiovox for FORJ's willful infringement of the '274 Patent.

Count II: FORJ's Infringement Of The '62 Patent

14. Upon information and belief, Christopher J. Vitito ("Vitito") is the legal owner by assignment of the '62 Patent, a copy of which is attached hereto as Exhibit B. The '62 Patent, entitled "Overhead Console Having Flip-Down Monitor", was duly and lawfully issued by the U.S. Patent and Trademark Office July 7, 1998. Audiovox is the exclusive licensee of the '62 Patent, having acquired from Vitito all substantial rights in the Patent, including the exclusive right to enforce the '62 Patent against any and all infringers.

15. Audiovox markets and sells, throughout the United States, overhead DVD players embodying the claimed invention of the '62 Patent through its wholly owned subsidiary, Audiovox Electronics. All profits from Audiovox Electronics' sales of overhead DVD players embodying the patented invention flow to Audiovox.

16. Upon information and belief, FORJ has infringed and continues to infringe (directly, indirectly, contributorily and/or by inducement) the '62 Patent by making, using, importing, offering to sell and/or selling (directly or through intermediaries) overhead consoles having a flip down monitor embodying one or more of the Patent's claims in this Judicial District and elsewhere, including, for example, the DVD90FD Video System.

17. Upon information and belief, FORJ's infringement of the '762 Patent has been, and continues to be, willful, deliberate, intentional and without color of right.

18. Upon information and belief, FORJ's willful infringement of the '762 Patent will continue unless permanently enjoined.

19. Audiovox has suffered and will continue to suffer irreparable harm by reason of FORJ's infringement of the '762 Patent, including, *inter alia*, lost profits and the erosion of Audiovox's statutory right to exclude others from practicing the claimed invention.

20. Audiovox is entitled to all damages adequate to fully compensate Audiovox for FORJ's willful infringement of the '762 Patent.

DEMAND FOR JURY TRIAL

21. Plaintiffs request a jury trial under Fed. R. Civ. P. 38 on all issues so triable.

PRAYER FOR RELIEF

WHEREFORE, Plaintiffs pray for judgment as follows:

A. FORJ has infringed claims of the '274 and '762 Patents, literally and/or under the doctrine of equivalents;

B. FORJ and its respective agents, servants, officers, directors, employees and all persons acting in concert with them, directly or indirectly, be preliminarily and permanently enjoined from infringing, inducing others to infringe, or contributing to the infringement of the '274 and '762 Patents;

C. FORJ be ordered to account for and pay to Audiovox the damages to which Audiovox is entitled as a consequence of FORJ's infringement of the '274 and '762 Patents in an amount no less than a reasonable royalty for the use made of the invention by FORJ;

D. That such damages be trebled under 35 U.S.C. § 284 by reason of FORJ's willful,

deliberate and intentional infringement of the '274 and '762 Patents;

E. That Audiovox be awarded prejudgment interest and post-judgment interest on any damages awarded by reason of FORJ's infringement of the '274 and '762 Patents;

F. That this case be found "exceptional", and that Audiovox be awarded costs, disbursements and attorneys' fees in accordance with the provisions of 35 U.S.C. § 285; and

G. That Audiovox be awarded such other and further relief as this Court may deem just, proper and equitable.

Dated: February 18, 2009

GREENBERG TRAURIG, LLP

By: Michael A. Nicodema
Michael A. Nicodema (MN 2949)
Douglas Weider (DW 5396)

GREENBERG TRAURIG, LLP
200 Park Avenue
Florham Park, New Jersey 07932
Tel: (973) 360-7900
Fax: (973) 301-8410

*Attorneys for Plaintiff Audiovox
Corporation*

AO 120 (Rev. 3/04)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court EDNY on the following Patents or Trademarks:

DOCKET NO. 08 cv 5263	DATE FILED 12/31/2008	U.S. DISTRICT COURT EDNY
PLAINTIFF AUDIOVOX CORPORATION		DEFENDANT TMI PRODUCTS, INC. U.S. DISTRICT COURT E.D.N.Y.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,245,274	7/17/2007	AUDIOVOX
2 5,775,762	7/7/1998	AUDIOVOX
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FILED
 IN CLERK'S OFFICE
 U.S. DISTRICT COURT E.D.N.Y.
 ★ JAN 13 2009 ★
 LONG ISLAND OFFICE

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY
	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT	
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CLERK ROBERT HEINEMANN	(BY) DEPUTY CLERK <i>[Signature]</i>	DATE 1/13/2009
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of New York on the following Patents or Trademarks:

DOCKET NO. 08cv1289(LDW)	DATE FILED 3/28/2008	U.S. DISTRICT COURT Eastern District of New York
PLAINTIFF Audiovox Corporation		DEFENDANT Invision Industries, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 US D448,009 S	9/18/2001	Audiovox Corporation
2 US 6,899,365 B2	5/31/2005	Audiovox Corporation
3 US 7,245,274 B2	7/17/2007	Audiovox Corporation
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In the above-entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above-entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Robert C. Heinemann	(BY) DEPUTY CLERK 	DATE 4/1/2008
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Copy 1—Upon initiation of action, mail this copy to Director / Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 3/04)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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DOCKET NO. 08cv1289(LDW)	DATE FILED 3/28/2008	U.S. DISTRICT COURT Eastern District of New York	FILED
PLAINTIFF Audiovox Corporation		DEFENDANT Invision Industries, Inc.	U.S.D. ★ MAR 28 2008
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1	US D448,009 S	9/18/2001	Audiovox Corporation
2	US 6,899,365 B2	5/31/2005	Audiovox Corporation
3	US 7,245,274 B2	7/17/2007	Audiovox Corporation
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DATE INCLUDED	INCLUDED BY		
	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Robert C. Heinemann	(BY) DEPUTY CLERK <i>S/Jasmine mgior</i>	DATE 4/1/2008
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/438,724	07/17/2007	7245274	8002A-80	6312

22150 7590 06/27/2007
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 398 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

George C. Schedivy, Aquebogue, NY;



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

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
10/438,724 05/15/2003 George C. Schedivy 8002A-80 6312

22150 7590 05/22/2007
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

PATEL, NITIN

ART UNIT PAPER NUMBER

2629

MAIL DATE DELIVERY MODE

05/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10438724	5/15/03	SCHEDIVY, GEORGE C.	8002A-80

F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

Nitin Patel

ART UNIT	PAPER
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2629

20070509

DATE MAILED:


Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

IDS filed on 9/19/2006 has been considered and signed by examiner.

NITIN I. PATEL
PRIMARY EXAMINER

Nitin Patel
Primary Examiner
Art Unit: 2629

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT 2629
		

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>NW</i>	6,081,420	06-2000	Kim et al.	361	681	—	
<i>NW</i>	6,292,236	09-2001	Rosen, John B.	348	837	—	
<i>NW</i>	5,255,214	10-1993	Ma, Hsi-Kuang	361	680	—	
<i>NW</i>	5,410,447	04-1995	Miyagawa et al.	361	681	—	
<i>NW</i>	6,266,236	07-2001	Ku et al.	361	681	—	
<i>NW</i>	6,102,476	08-2000	May et al.	297	217.3	—	
<i>NW</i>	4,982,996	01-1991	Vottero-Fin et al.	297	217.3	—	
<i>NW</i>	4,702,519	10-1987	Lobanoff			—	

FOREIGN PATENT DOCUMENTS								
	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION		
						YES	NO	
<i>NW</i>	FR 2817812	06-2002	France			X		
<i>NW</i>	WO 00/38951	07-2000	WO			X		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>NW</i>	DATE CONSIDERED 5/17/02
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Electronic Patent Application Fee Transmittal

Application Number:	10438724
Filing Date:	15-May-2003
Title of Invention:	HEADREST MOUNTABLE VIDEO SYSTEM
First Named Inventor/Applicant Name:	George C. Schedivy
Filer:	Frank Chau/Susan Ramunto
Attorney Docket Number:	8002A-80

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	1501	1	1400	1400
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Printed copy of patent - no color	8001	1	3	3
Total in USD (\$)				1703

Electronic Acknowledgement Receipt

EFS ID:	1723724
Application Number:	10438724
International Application Number:	
Confirmation Number:	6312
Title of Invention:	HEADREST MOUNTABLE VIDEO SYSTEM
First Named Inventor/Applicant Name:	George C. Schedivy
Customer Number:	22150
Filer:	Frank Chau/Susan Ramunto
Filer Authorized By:	Frank Chau
Attorney Docket Number:	8002A-80
Receipt Date:	27-APR-2007
Filing Date:	15-MAY-2003
Time Stamp:	14:53:56
Application Type:	Utility

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 1703
RAM confirmation Number	39
Deposit Account	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /.zip	Pages (if appl.)
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1	Issue Fee Payment (PTO-85B)	8002A-80SignedIF.pdf	140188	no	1
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Warnings:

Information:

2	Fee Worksheet (PTO-06)	fee-info.pdf	8432	no	2
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Warnings:

Information:

Total Files Size (in bytes):			148620		
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

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.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

22150 7590 04/04/2007
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER
PATEL, NITIN
ART UNIT PAPER NUMBER

2629
DATE MAILED: 04/04/2007

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: HEADREST MOUNTABLE VIDEO SYSTEM

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22150 7590 04/04/2007

F. CHAU & ASSOCIATES, LLC
 130 WOODBURY ROAD
 WOODBURY, NY 11797

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/438,724	05/15/2003	George C. Schedivy	8002A-80	6312

TITLE OF INVENTION: HEADREST MOUNTABLE VIDEO SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	07/05/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
PATEL, NITIN	2629	345-00700

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2</p> <p>_____ 3</p>
---	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. 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 1.14. This collection is estimated to take 12 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.



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

Table with columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO., EXAMINER, ART UNIT, PAPER NUMBER. Includes details for George C. Schedivy and F. CHAU & ASSOCIATES, LLC.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 398 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 398 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No. 10/438,724	Applicant(s) SCHEDIVY, GEORGE C.	
Examiner Nitin Patel	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to 1/18/2007.
- 2. The allowed claim(s) is/are 1-23.
- 3. 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 the:
 - 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)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1/18/2007
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____



**NITIN I. PATEL
PRIMARY EXAMINER**

Terminal Disclaimer

1. The terminal disclaimer filed on 01/18/2007 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of Patent No. 6,899,365 has been reviewed and is accepted. The terminal disclaimer has been recorded.

REASON FOR ALLOWANCE

2. Claims 1-23 is allowed.

3. The prior art fails to teach or suggest a video system having a base unit to a headrest support structure located within a headrest of a vehicle seat, wherein the base unit comprises a media player comprising at least one of a DVD player, an MPEG player or a video game player; and a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player as claimed in claims 1,23.

The prior art fails to teach or suggest a video system having a base unit coupled to an internal headrest support structure and a door pivotally connected to the base unit by a hinge, the door comprising a display and a media player comprising at least one of DVD player, an MPEG player or a video game player as claimed in claim 9.

The prior art fails to teach or suggest a docking station adapted to secure a portable video system including a media player having at least one of a DVD player, an MPEG player or a video game player, the docking station comprising a means for securing the docking station to a headrest support structure located within a headrest of a vehicle seat, wherein at least a portion of the docking station is disposed within the

Art Unit: 2629

headrest; a means for securing the portable video system to the docking station and a pin array for providing power to a second portable video system as claimed in claim 17.

The prior art fails to teach or suggest a video system having a display mounted to a headrest of a vehicle seat, wherein the display is pivotally coupled to a headrest support element, the headrest support element being disposed inside and outside of the headrest as claimed in claim 22.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. 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.

Nitin Patel
Primary Examiner
Art Unit 2629



NITIN I. PATEL
PRIMARY EXAMINER

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10438724
	Filing Date	2003-05-15
	First Named Inventor	George C. Schedivy
	Art Unit	2629
	Examiner Name	Nitin Patel
	Attorney Docket Number	8002A-80

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
MP	1	6339455		2002-01-15	Allan et al.	—
MP	2	5396340		1995-03-07	Ishii et al.	—
MP	3	5214514		1993-05-25	Haberkern	✓

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
MP	1	20040130616		2004-07-08	Tseng	
MP	2	20060112144		2006-05-25	Ireton	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁶
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10438724
Filing Date	2003-05-15
First Named Inventor	George C. Schedivy
Art Unit	2629
Examiner Name	Nitin Patel
Attorney Docket Number	8002A-80

1								<input type="checkbox"/>
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If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	<i>NP</i>	Date Considered	<i>4-1-07</i>
--------------------	-----------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. ⁶ English abstract attached.

Search Notes



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2629

SEARCHED


Class	Subclass	Date	Examiner
345	7	3/30/2007	NP
1	905	}	}
297	217.3		
1	217.1		
348	837		
1	838		
248	226.11		
1	228.8		
725	75		

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner
updated	above	4/1/2007	NP
class	subclass	}	NP
ppub	database		

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
EAST SEARCH	4/1/2007	NP

Issue Classification 	Application/Control No. 10/438,724	Applicant(s)/Patent under Reexamination SCHEDIVY, GEORGE C.
	Examiner Nitin Patel	Art Unit 2629

ISSUE CLASSIFICATION										
ORIGINAL					INTERNATIONAL CLASSIFICATION					
CLASS		SUBCLASS			CLAIMED			NON-CLAIMED		
345		7			G	09	G	5	/00	/
CROSS REFERENCES										
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)									
345	905							/	/	
								/	/	
								/	/	
								/	/	
								/	/	
								/	/	

<i>(Assistant Examiner)</i> (Date)	<i>Nitin Patel</i> NITIN I. PATEL PRIMARY EXAMINER (Primary Examiner) (Date)	Total Claims Allowed: 23
<i>Kira Pannell</i> (Legal Instruments Examiner) (Date)		O.G. Print Claim(s) 1
		O.G. Print Fig. 3A

<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				
Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		
16	1	=		31			61			91			121			151		181
17	2	=		32			62			92			122			152		182
20	3	=		33			63			93			123			153		183
21	4	=		34			64			94			124			154		184
22	5	=		35			65			95			125			155		185
23	6	=		36			66			96			126			156		186
18	7	=		37			67			97			127			157		187
19	8	=		38			68			98			128			158		188
1	9	=		39			69			99			129			159		189
2	10	=		40			70			100			130			160		190
5	11	=		41			71			101			131			161		191
7	12	=		42			72			102			132			162		192
8	13	=		43			73			103			133			163		193
9	14	=		44			74			104			134			164		194
3	15	=		45			75			105			135			165		195
4	16	=		46			76			106			136			166		196
12	17	=		47			77			107			137			167		197
13	18	=		48			78			108			138			168		198
14	19	=		49			79			109			139			169		199
15	20	=		50			80			110			140			170		200
6	21	=		51			81			111			141			171		201
10	22	=		52			82			112			142			172		202
11	23	=		53			83			113			143			173		203
	24			54			84			114			144			174		204
	25			55			85			115			145			175		205
	26			56			86			116			146			176		206
	27			57			87			117			147			177		207
	28			58			88			118			148			178		208
	29			59			89			119			149			179		209
	30			60			90			120			150			180		210

Application Number *1043872 4*	Application/Control No. 10/438,724	Applicant(s)/Patent under Reexamination SCHEDIVY, GEORGE C.
Document Code - DISQ		Internal Document - DO NOT MAIL

TERMINAL DISCLAIMER	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED
Date Filed : 01-18-07	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
TERMINAL DISCLAIMER APPROVED SENT TO SCANNING ON 01-30-07 BY KAREN L. WARD

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Bib Data Sheet

CONFIRMATION NO. 6312

SERIAL NUMBER 10/438,724	FILING OR 371(c) DATE 05/15/2003 RULE	CLASS 345	GROUP ART UNIT 2629	ATTORNEY DOCKET NO. 8002A-80
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APPLICANTS
 George C. Schedivy, Aquebogue, NY;
**** CONTINUING DATA ******* *None*
**** FOREIGN APPLICATIONS ******* *None*
IF REQUIRED, FOREIGN FILING LICENSE GRANTED
**** 07/14/2003**

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY NY	SHEETS DRAWING 16	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature: <i>[Signature]</i> Initials: <i>NSP</i>				

ADDRESS
22150

TITLE
Headrest mountable video system

FILING FEE RECEIVED 1430	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT 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

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	53	(dvd or mpeg or media near player or video near2 player) near2 (seat or head near rest or head-rest or chair)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/01 18:34

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	75	headrest same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 14:29
S2	11360	(head adj rest or head-rest or head near2 rest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 14:34
S3	14	S2 with player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 14:30
S4	42	(head adj rest or head-rest or head near2 rest) same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 14:34
S5	1407	(chair or recliner or seat or headrest) with player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 10:36
S6	226	S5 same video	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 10:37
S7	121	media same player same (chair or seat or headnear2 rest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 13:46
S8	963	(headrest or seat or chair)near5 player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 13:46
S9	219	S8 same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 13:47

EAST Search History

S10	2	"20030184137"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:55
S11	2	"20030137584"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:56
S12	2	"4756528".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:56
S13	64	"4843477"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:57
S14	2	"4843477".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:57
S15	2	"5555466".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:57
S16	2	"5949345".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 10:58
S17	2	"6409242".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 11:01
S18	1976	(chair or seat) same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 11:02
S19	15	S18 same hinge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 11:02

EAST Search History

S20	1363	(chair or seat or rest) near3 player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 13:55
S21	194	S20 same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 14:06
S22	11668	(video or display) same (chair or seat or head adj rest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 14:07
S23	625	S22 same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 14:07
S24	7	S23 same hinge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/28 14:07
S25	2	"5267775".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 14:13
S26	232	clamshell with display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 09:15
S27	97	S26 and (wireless or IR)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 09:16
S28	380	dock\$5 with (pin or socket or port) with power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/15 15:33
S29	581449	headrest or head-rest or seat or (car near2 sear) or vehicle near2 seat or (air near plane near seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:22

EAST Search History

S30	6304	S29 with display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:22
S31	297	S30 same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 11:22
S32	2145830	(head near2 rest or seat or vehicle or airplane or air-plane or air near plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 13:34
S33	133	S32 same media near player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 13:45
S34	753	(head near3 rest or seat) near4 player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 13:45
S35	164	S34 same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/17 13:46
S36	3	"20030137584"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:03
S37	2	"6698832".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:05
S38	3	"6411505".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:05
S39	2	"6075693".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:06

EAST Search History

S40	2	"4635110".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:06
S41	2	"5359349".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:06
S42	2	"5725189".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:07
S43	12428	((vehicle or car or automobile or plane or (air near2 plane)) same (display or screen) same head near rest or head-rest or headrest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:09
S44	12418	((vehicle or car or automobile or plane or (air near2 plane)) with (display or screen) with head near rest or head-rest or headrest)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:10
S45	3527842	(vehicle or car or automobile or plane or (air near2 plane))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:11
S46	188736	S45 same (display or screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:11
S47	4732	S46 same (headrest or head-rest or head near2 rest or seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:12
S48	283	S47 same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 10:13
S49	10	(head near2 rest) near (display or screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 13:21

EAST Search History

S50	2844	(head near2 rest or seat) near3 (display or screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 13:22
S51	121	S50 same player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 13:45
S52	1284	(head near2 rest or seat) with player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 13:46
S53	166	S52 with display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 13:46
S54	1222	(door or cover) with display with pivot\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 14:24
S55	29	S54 same (head near2 rest or seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 14:24
S56	21	(seat or head near3 rest) same display same player same pivot\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/24 15:24
S57	89	pivot\$5 with hinge with player	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 21:20
S58	3	"20030137584"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 21:21
S59	7	("2003/0137584").URPN.	USPAT	OR	OFF	2006/05/29 21:27
S60	979	(headrest or head-rest or head near2 rest or seat) near5 display	USPAT	OR	OFF	2006/05/29 21:28

EAST Search History

S61	247	S60 same (hinge or pivot\$6 or connect\$5)	USPAT	OR	OFF	2006/05/29 21:29
S62	2	"7019794"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/29 22:32
S63	274	(seat or headrest or chair) near (DVD or media or game)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/10 11:51
S64	254	(backrest or headrest) same (car or vehicle or plane or automobile) same display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/10 11:52



PALM INTRANET

Day : Sunday
Date: 4/1/2007
Time: 18:26:25

Inventor Name Search Result

Your Search was:

Last Name = SCHEDIVY

First Name = GEORGE

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10037321	6928654	150	01/04/2002	VEHICLE DISPLAY DEVICE FOR SIMULTANEOUSLY DISPLAYING ONE OR MORE VIDEO PROGRAMS ON SEPARATE DISPLAYS	SCHEDIVY, GEORGE
60423469	Not Issued	159	11/04/2002	Mobile video system	SCHEDIVY, GEORGE
60423675	Not Issued	159	11/04/2002	Hood for vehicle seat headrest having a display	SCHEDIVY, GEORGE
60423882	Not Issued	159	11/05/2002	Mobile video system	SCHEDIVY, GEORGE
09698917	6975806	150	10/27/2000	MOBILE VIDEO ENTERTAINMENT SYSTEM	SCHEDIVY, GEORGE C.
10423732	6961239	150	04/25/2003	PORTABLE VIDEO SYSTEM	SCHEDIVY, GEORGE C.
10438724	Not Issued	71	05/15/2003	Headrest mountable video system	SCHEDIVY, GEORGE C.
10645048	Not Issued	82	08/21/2003	Hood for vehicle seat headrest including a video system	SCHEDIVY, GEORGE C.
10658313	7050124	150	09/09/2003	MOBILE VIDEO SYSTEM	SCHEDIVY, GEORGE C.
10673734	Not Issued	30	09/29/2003	Multimedia entertainment unit for use in a vehicle	SCHEDIVY, GEORGE C.
10688611	Not Issued	61	10/17/2003	Headrest mountable video system	SCHEDIVY, GEORGE C.
10699334	6899365	150	10/31/2003	SEAT MOUNTABLE ENTERTAINMENT SYSTEM	SCHEDIVY, GEORGE C.
10705291	Not Issued	71	11/10/2003	Seat mountable video system	SCHEDIVY, GEORGE C.
10749443	7149078	150	12/31/2003	VIDEO DISPLAY SYSTEM	SCHEDIVY, GEORGE C.
10796377	Not	30	03/09/2004	Display device mountable in a	SCHEDIVY,

	Issued			vehicle	GEORGE C.
<u>10808659</u>	Not Issued	30	03/25/2004	Portable video system	SCHEDIVY, GEORGE C.
<u>10842100</u>	Not Issued	30	05/10/2004	Multiple function overhead entertainment system for use in a vehicle	SCHEDIVY, GEORGE C.
<u>10855164</u>	Not Issued	30	05/27/2004	Multiple function overhead entertainment system for use in a vehicle	SCHEDIVY, GEORGE C.
<u>10925554</u>	Not Issued	30	08/25/2004	Rail system for use in a vehicle	SCHEDIVY, GEORGE C.
<u>10950277</u>	Not Issued	30	09/27/2004	Plug-in television tuner module and method thereof	SCHEDIVY, GEORGE C.
<u>10969484</u>	Not Issued	41	10/20/2004	Seat mountable entertainment system	SCHEDIVY, GEORGE C.
<u>10982943</u>	Not Issued	93	11/05/2004	OVERHEAD SYSTEM ATTACHABLE TO A RAIL ASSEMBLY IN A VEHICLE AND METHOD FOR INSTALLING SAME	SCHEDIVY, GEORGE C.
<u>11012524</u>	Not Issued	30	12/15/2004	Entertainment system for use in a vehicle	SCHEDIVY, GEORGE C.
<u>11072171</u>	Not Issued	25	03/04/2005	Headrest mountable video system	SCHEDIVY, GEORGE C.
<u>11100179</u>	Not Issued	61	04/06/2005	Rearview camera display mounted on a vehicle overhead console	SCHEDIVY, GEORGE C.
<u>11108960</u>	Not Issued	30	04/19/2005	Video system for a vehicle	SCHEDIVY, GEORGE C.
<u>11140663</u>	Not Issued	20	05/27/2005	Mobile video entertainment system	SCHEDIVY, GEORGE C.
<u>11149685</u>	Not Issued	30	06/10/2005	Overhead display device for a vehicle	SCHEDIVY, GEORGE C.
<u>11229215</u>	Not Issued	25	09/16/2005	Cover for a vehicle media device	SCHEDIVY, GEORGE C.
<u>11235404</u>	Not Issued	41	09/26/2005	PORTABLE VIDEO SYSTEM INCLUDING A BASE UNIT SECURED TO A SUBSTRATE FOR SELECTIVELY COUPLING A VIDEO UNIT	SCHEDIVY, GEORGE C.
<u>11351412</u>	Not Issued	95	02/10/2006	MOBILE VIDEO SYSTEM	SCHEDIVY, GEORGE C.
<u>11556486</u>	Not Issued	25	11/03/2006	VEHICLE SEAT ENTERTAINMENT SYSTEM	SCHEDIVY, GEORGE C.

				INCORPORATING A DATABUS	
11557177	Not Issued	25	11/07/2006	ENTERTAINMENT SYSTEM MOUNTABLE IN A VEHICLE SEAT AND METHODS FOR MOUNTING AND DISPLAYING SAME	SCHEDIVY, GEORGE C.
29131750	D456371	150	10/27/2000	Stowable display system in a rotatable console	SCHEDIVY, GEORGE C.
29131856	D446193	150	10/27/2000	Display	SCHEDIVY, GEORGE C.
29209837	D512973	150	07/22/2004	RAIL SYSTEM OVERHEAD VIDEO DISPLAY CONSOLE	SCHEDIVY, GEORGE C.
29131771	D443255	150	10/27/2000	Display	SCHEDIVY, GEORGE C.
29131772	D454121	150	10/27/2000	Stowable display system in a rotatable console	SCHEDIVY, GEORGE C.

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name	
<input type="text" value="SCHEDIVY"/>	<input type="text" value="GEORGE"/>	<input type="button" value="Search"/>

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Application Number *1043872 4*	Application/Control No. 10/438,724	Applicant(s)/Patent under Reexamination SCHEDIVY, GEORGE C.

Document Code - DISQ	Internal Document - DO NOT MAIL
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TERMINAL DISCLAIMER	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED
Date Filed : 01-18-07	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
TERMINAL DISCLAIMER APPROVED SENT TO SCANNING ON 01-30-07 BY KAREN L. WARD

U.S. Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: George C. Schedivy EXAMINER: Nitin Patel
SERIAL NO.: 10/438,724 GROUP ART UNIT: 2629
FILED: May 15, 2003
FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

This paper is submitted in response to the January 10, 2007 Office Action issued by the United States Patent and Trademark Office in connection with the above-identified application. A response to the January 10, 2007 Office Action is due on April 10, 2007. Accordingly, this Response is being timely filed.

LISTING OF THE CLAIMS:

No claim amendments have been made in response to the January 10, 2007 Office Action.

1. (previously presented) A video system comprising:

a base unit coupled to a headrest support structure located within a headrest of a vehicle seat, wherein the base unit comprises a media player comprising at least one of a DVD player, an MPEG player or a video game player; and

a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player.

2. (previously presented) The video system of claim 1, further comprising a docking station disposed between the base unit and the headrest support structure, for selectively coupling the video system to the headrest support structure, wherein:

the video system can be selectively un-coupled from the base unit; and

at least a portion of the docking station is disposed within the headrest and is directly coupled to the headrest support structure.

3. (original) The video system of claim 1, wherein the video system is a clamshell-type device.

4. (original) The video system of claim 1, wherein the hinge is a swivel-hinge.

5. (previously presented) The video system of claim 1, further comprising a wireless transmitter positioned on the door.

6. (original) The video system of claim 1, further comprising a port for connecting to an external device.

7. (original) The video system of claim 2, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

8. (original) The video system of claim 2, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

9. (previously presented) A video system comprising:
a base unit coupled to an internal headrest support structure; and
a door pivotally connected to the base unit by a hinge, the door comprising a display and a media player comprising at least one of a DVD player, an MPEG player or a video game player.

10. (original) The video system of claim 9, further comprising a docking station disposed between the base unit and the internal headrest support structure,

for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

11. (original) The video system of claim 9, wherein the video system is a slot-type device.

12. (original) The video system of claim 9, further comprising a wireless transmitter.

13. (original) The video system of claim 9, wherein the hinge is a swivel-hinge.

14. (original) The video system of claim 9, further comprising a port for connecting to an external device.

15. (original) The video system of claim 10, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

16. (original) The video system of claim 10, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

17. (previously presented) A docking station adapted to secure a portable video system including a media player comprising at least one of a DVD player, an MPEG player or a video game player, the docking station comprising:

a means for securing the docking station to a headrest support structure located within a headrest of a vehicle seat, wherein at least a portion of the docking station is disposed within the headrest;

a means for securing the portable video system to the docking station; and
a pin array for providing power to a secured portable video system.

18. (original) The docking station of claim 17, wherein the pin array carries a signal between the secured removable video unit and an external device.

19. (original) The docking station of claim 18, wherein the signal is one of an audio signal and a video signal.

20. (original) The base unit of claim 17, wherein a cover is secured to the docking station in the absence of the portable video system.

21. (previously presented) The video system of claim 11, wherein a slot for receiving a data media is positioned on a side of the door.

22. (previously presented) A video system comprising:

a display mounted to a headrest of a vehicle seat, wherein the display is

pivotaly coupled to a headrest support element, the headrest support element being disposed inside and outside of the headrest.

23. (previously presented) A video system comprising:

a base portion positioned in a headrest of a vehicle seat, wherein the base portion accommodates a media player comprising at least one of a DVD player, an MPEG player or a video game player and a display pivotaly connected to the base portion.

REMARKS

Claims 1-23 are pending in this application. No claim amendments have been made in response to the instant Office Action.

DOUBLE PATENTING

Claims 1-23 have been rejected on the ground of nonstatutory double patenting and under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-65 of U.S. Patent No. 6,899,365 ("Lavelle"). Lavelle is commonly owned by the assignee of the instant application.

In order to obviate the double patenting rejections and place the application in condition for allowance, Applicant files herewith a Terminal Disclaimer under 37 C.F.R. § 1.321. The filing of the Terminal Disclaimer is not intended to be, nor should it be construed as, an admission as to the merits of the rejection.

Accordingly, Applicant requests that the Examiner withdraw the double patenting rejections.

An information disclosure statement citing references from an Office Action of a commonly assigned copending U.S. application is filed herewith. The filing of the information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance.

An early and favorable reconsideration is earnestly solicited. If the Examiner has any further questions or comments, the Examiner may telephone Applicant's Attorney to reach a prompt disposition of this application.

Respectfully submitted,



Michael F. Morano
Reg. No. 44,952
Attorney for Applicant

F. CHAU & ASSOCIATES, LLC
130 Woodbury Road
Woodbury, NY 11797
(516) 692-8888

**TERMINAL DISCLAIMER TO OBLIATE A DOUBLE PATENTING
REJECTION OVER A "PRIOR" PATENT**Docket Number (Optional)
8002A-80

In re Application of: George C. Schedivy

Application No.: 10/438,724

Filed: May 15, 2003

For: HEADREST MOUNTABLE VIDEO SYSTEM

The owner*, Audiovox Corporation, of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term **prior patent** No. 6,899,365 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and as the term of said **prior patent** is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the **prior patent**, "as the term of said **prior patent** is presently shortened by any terminal disclaimer," in the event that said **prior patent** later:

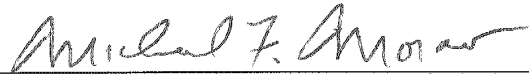
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

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 Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. The undersigned is an attorney or agent of record. Reg. No. 44,952



Signature

January 18, 2007

Date

Michael F. Morano

Typed or printed name

(516) 692-8388

Telephone Number

- Terminal disclaimer fee under 37 CFR 1.20(d) included.

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.

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

This collection of information is required by 37 CFR 1.321. 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 12 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.

Electronic Patent Application Fee Transmittal

Application Number:	10438724
Filing Date:	15-May-2003
Title of Invention:	Headrest mountable video system
First Named Inventor/Applicant Name:	George C. Schedivy
Filer:	Frank Chau/Michele Capozzi
Attorney Docket Number:	8002A-80

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Statutory disclaimer	1814	1	130	130

Extension-of-Time:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				310

Electronic Acknowledgement Receipt

EFS ID:	1448988
Application Number:	10438724
International Application Number:	
Confirmation Number:	6312
Title of Invention:	Headrest mountable video system
First Named Inventor/Applicant Name:	George C. Schedivy
Customer Number:	22150
Filer:	Frank Chau/Michele Capozzi
Filer Authorized By:	Frank Chau
Attorney Docket Number:	8002A-80
Receipt Date:	18-JAN-2007
Filing Date:	15-MAY-2003
Time Stamp:	17:33:08
Application Type:	Utility

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 310
RAM confirmation Number	704
Deposit Account	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /.zip	Pages (if appl.)
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1	Information Disclosure Statement (IDS) Filed	8002a-80-ids.pdf	608443	no	4
Warnings:					
Information:					
2	Amendment - After Non-Final Rejection	8002a-80-amendment.pdf	409729	no	8
Warnings:					
Information:					
3	Terminal Disclaimer Filed	8002a-80-terminal-disclaimer.pdf	101330	no	1
Warnings:					
Information:					
4	Fee Worksheet (PTO-06)	fee-info.pdf	8291	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1127793		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p>					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10438724	
	Filing Date		2003-05-15	
	First Named Inventor	George C. Schedivy		
	Art Unit	2629		
	Examiner Name	Nitin Patel		
	Attorney Docket Number	8002A-80		

U.S.PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	6339455		2002-01-15	Allan et al.		
	2	5396340		1995-03-07	Ishii et al.		
	3	5214514		1993-05-25	Haberkern		

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS							Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	20040130616		2004-07-08	Tseng		
	2	20060112144		2006-05-25	Ireton		

If you wish to add additional U.S. Published Application citation information please click the Add button.

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FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁶

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10438724	
	Filing Date		2003-05-15	
	First Named Inventor	George C. Schedivy		
	Art Unit		2629	
	Examiner Name	Nitin Patel		
	Attorney Docket Number		8002A-80	

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If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. ⁶ English abstract attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10438724	
Filing Date		2003-05-15	
First Named Inventor	George C. Schedivy		
Art Unit	2629		
Examiner Name	Nitin Patel		
Attorney Docket Number	8002A-80		

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Michael F. Morano/	Date (YYYY-MM-DD)	2007-01-18
Name/Print	Michael F. Morano	Registration Number	44952

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1.14. This collection is estimated to take 1 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number

10/438724

CLAIMS AS FILED - PART I

FOR		NUMBER FILED (Column 1)	NUMBER EXTRA (Column 2)	SMALL ENTITY		OTHER THAN SMALL ENTITY	
				RATE	FEE	RATE	FEE
BASIC FEE (37 CFR 1.16(a))					\$ _____		\$ _____
TOTAL CLAIMS (37 CFR 1.16(c))			minus 20 =	X \$ _____ =		X \$ _____ =	
INDEPENDENT CLAIMS (37 CFR 1.16(b))			minus 3 =	X \$ _____ =		X \$ _____ =	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))				+ \$ _____ =		+ \$ _____ =	
				TOTAL		TOTAL	

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

CLAIMS AS AMENDED - PART II

9-19-06

AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY		OTHER THAN SMALL ENTITY	
					RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
Total (37 CFR 1.16(c))		23	Minus 23	=	X \$ _____ =		X \$ _____ =	
Independent (37 CFR 1.16(b))		5	Minus 5	=	X \$ _____ =		X \$ _____ =	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ \$ _____ =		+ \$ _____ =	
				TOTAL ADD'L FEE		TOTAL ADD'L FEE		

1-18-07

AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY		OTHER THAN SMALL ENTITY	
					RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
Total (37 CFR 1.16(c))		SAME	Minus	=	X \$ _____ =		X \$ _____ =	
Independent (37 CFR 1.16(b))			Minus	=	X \$ _____ =		X \$ _____ =	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ \$ _____ =		+ \$ _____ =	
				TOTAL ADD'L FEE		TOTAL ADD'L FEE		

AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)	SMALL ENTITY		OTHER THAN SMALL ENTITY	
					RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
Total (37 CFR 1.16(c))			Minus	=	X \$ _____ =		X \$ _____ =	
Independent (37 CFR 1.16(b))			Minus	=	X \$ _____ =		X \$ _____ =	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ \$ _____ =		+ \$ _____ =	
				TOTAL ADD'L FEE		TOTAL ADD'L 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.

This collection of information is required by 37 CFR 1.16. 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 1.14. This collection is estimated to take 12 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.

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United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

22150 7590 01/10/2007
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

PATEL, NITIN

ART UNIT PAPER NUMBER

2629

Table with 3 columns: SHORTENED STATUTORY PERIOD OF RESPONSE, MAIL DATE, DELIVERY MODE

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

DETAILED ACTION

Double Patenting

1. Claims 1-23 are rejected on the ground of nonstatutory double patenting over claims 1-65 of U. S. Patent No. 6,899,365 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows:

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

Claims 1-23 are rejected in view of Lavelle (US 6,899,365) application claims 1-45.

Claims 1-23 is rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-65 of US 6,899,365.

As per claim 1, Lavelle disclose a base unit coupled to a headrest support (in claim 1 of Lavelle, a base portion) and headrest of a vehicle seat wherein the base unit comprise a media player such as DVD palyer, an MPEG player or a video game player with a door pivotally connected to the base (in claim 1 of Lavelle).

As per claims 2, see claim 3 of Lavelle.

As per claim 3-8, see claims 2,4-15 of Lavelle.

As per claim 9, see claim 1 of Lavelle.

As per claims 10-23 see claims of Lavelle patent claims.

Conclusion


2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677.

The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. 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.

Nitin Patel
Examiner
Art Unit 2629



Notice of References Cited	Application/Control No. 10/438,724	Applicant(s)/Patent Under Reexamination SCHEDIVY, GEORGE C.	
	Examiner Nitin Patel	Art Unit 2629	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-6,899,365	05-2005	Lavelle et al.	296/37.15
*	B US-7,044,546	05-2006	Chang, Chung L.	297/217.3
*	C US-6,216,927	04-2001	Meritt, Ronald	224/275
*	D US-6,724,317	04-2004	Kitano et al.	340/691.1
*	E US-6,719,343	04-2004	Emerling et al.	296/24.34
*	F US-			
*	G US-			
*	H US-			
*	I US-			
*	J US-			
*	K US-			
*	L US-			
*	M US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date 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.

Index of Claims



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2629

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date			
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Search Notes



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2629

SEARCHED

Class	Subclass	Date	Examiner
345	7	12/26/2006	NP
297	217.3	}	}
}	217.1		
348	837		
}	838		
361	837		
}	838		
248	226.11		
}	228.8		
725	75		

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

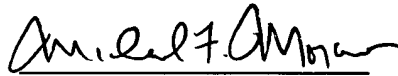
**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
EAST SEARCH	12/26/2006	

- Please charge Deposit Account No. 50-0679 in the amount of \$____. Two (2) copies of this sheet are enclosed.
- The amount of \$_____ is authorized to be charged to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §§1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

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Respectfully submitted,



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Attorney for Applicant(s)



IFW

\$2629

8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: George C. Schedivy EXAMINER: Nitin Patel
 SERIAL NO.: 10/438,724 GROUP ART UNIT: 2629
 FILED: May 15, 2003
 FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

AMENDMENT, RESPONSE TO OFFICE ACTION AND INTERVIEW SUMMARY

Sir:

This Amendment is submitted in response to the June 5, 2006 Office Action issued by the United States Patent and Trademark Office in connection with the above-identified application. A response to the June 5, 2006 Office Action was due on September 5, 2006. A Petition For Extension Of Time and the appropriate fee are submitted herewith to extend the response period for one (1) month to October 5, 2006.

CERTIFICATE OF MAILING 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 15, 2006.

Dated: September 15, 2006

Michael F. Morano

Please amend the subject application as follows:

IN THE CLAIMS:

Please accept amended claims 1, 9, 17, 22 and 23 as follows:

1. (currently amended) A video system comprising:

a base unit coupled to a headrest support structure located within a headrest of a vehicle seat, wherein the base unit comprises a media player comprising at least one of a DVD player, an MPEG player or a video game player; and

a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player.

2. (previously presented) The video system of claim 1, further comprising a docking station disposed between the base unit and the headrest support structure, for selectively coupling the video system to the headrest support structure, wherein:

the video system can be selectively un-coupled from the base unit; and

at least a portion of the docking station is disposed within the headrest and is directly coupled to the headrest support structure.

3. (original) The video system of claim 1, wherein the video system is a clamshell-type device.

4. (original) The video system of claim 1, wherein the hinge is a swivel-hinge.

5. (previously presented) The video system of claim 1, further comprising a wireless transmitter positioned on the door.

6. (original) The video system of claim 1, further comprising a port for connecting to an external device.

7. (original) The video system of claim 2, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

8. (original) The video system of claim 2, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

9. (currently amended) A video system comprising:
a base unit coupled to an internal headrest support structure; and
a door pivotally connected to the base unit by a hinge, the door comprising a display and a media player comprising at least one of a DVD player, an MPEG player or a video game player.

10. (original) The video system of claim 9, further comprising a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

11. (original) The video system of claim 9, wherein the video system is a slot-type device.

12. (original) The video system of claim 9, further comprising a wireless transmitter.

13. (original) The video system of claim 9, wherein the hinge is a swivel-hinge.

14. (original) The video system of claim 9, further comprising a port for connecting to an external device.

15. (original) The video system of claim 10, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

16. (original) The video system of claim 10, wherein the video system is coupled to an external device through the docking station, wherein the docking

station and the video system are coupled by a pin array.

17. (currently amended) A docking station adapted to secure a portable video system including a media player comprising at least one of a DVD player, an MPEG player or a video game player, the docking station comprising:

a means for securing the docking station to a headrest support structure located within a headrest of a vehicle seat, wherein at least a portion of the docking station is disposed within the headrest;

a means for securing the portable video system to the docking station; and
a pin array for providing power to a secured portable video system.

18. (original) The docking station of claim 17, wherein the pin array carries a signal between the secured removable video unit and an external device.

19. (original) The docking station of claim 18, wherein the signal is one of an audio signal and a video signal.

20. (original) The base unit of claim 17, wherein a cover is secured to the docking station in the absence of the portable video system.

21. (previously presented) The video system of claim 11, wherein a slot for receiving a data media is positioned on a side of the door.

22. (currently amended) A video system comprising:

a display mounted to a headrest of a vehicle seat, wherein the display is pivotally coupled to a headrest support element, the headrest support element extending being disposed inside and outside of the headrest.

23. (currently amended) A video system comprising:

a base portion positioned in a headrest of a vehicle seat, wherein the base portion accommodates a media player comprising at least one of a DVD player, an MPEG player or a video game player and a display pivotally connected to the base portion.

REMARKS

Claims 1-23 are pending in this application.

Claims 1, 9, 17, 22 and 23 have been amended by the present Amendment.

Amended claims 1, 9, 17, 22 and 23 do not introduce any new subject matter.

INTERVIEW SUMMARY

On September 13, 2006, an interview was conducted between Examiner Nitin Patel, and Frank Chau, Reg. No. 34,136 and Michael F. Morano, Reg. No. 44,952, the attorneys for Applicant.

During the interview, amendments to claims 1, 9, 17, 22 and 23 were proposed to overcome the rejection based on U.S. Patent No. 7,044,546 ("Chang"). The proposed claim amendments are incorporated in the instant Response.

The Examiner indicated that the proposed amendments to claims 1, 9, 17, 22 and 23 are sufficient to overcome the rejection based on Chang, and to distinguish claims 1, 9, 17, 22 and 23 from Chang.

The Examiner's cooperation and consideration of Applicant's proposed amendments during the interview is gratefully acknowledged.

REJECTION UNDER 35 U.S.C. § 102

Reconsideration is respectfully requested of the rejection of claims 1-23 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 7,044,546 ("Chang").

Claims 1, 9, 17 and 23 have been amended to recite a media player comprising at least one of a DVD player, an MPEG player or a video game player. See, e.g., Applicant's disclosure, page 6, line 21 to page 7, line 1. Claim 22 has been amended to recite the headrest support element being disposed inside and outside of the headrest.

See, e.g., Applicant's disclosure, Figs. 3A-3C (element 305).

As stated above, during the September 13 interview with the Examiner, the Examiner indicated that the amendments to claims 1, 9, 17, 22 and 23 distinguish claims 1, 9, 17, 22 and 23 from Chang.

As such, Applicant respectfully submits that claims 1, 9, 17, 22 and 23, as amended, are not anticipated by Chang.

For at least the reason that claims 2-8 depend from claim 1, claims 10-16 and 21 depend from claim 9, and claims 18-20 depend from claim 17, claims 2-8, 10-16 and 18-21 are also submitted not to be anticipated by Chang.

As such, Applicant requests that the Examiner withdraw the rejection of claims 1-23 under 35 U.S.C. §102(e).

DOUBLE PATENTING

Claims 1-23 have been provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-45 of copending Application No. 10/688,611, U.S. Patent Application Pub. No. 2004/0227696 ("Schedivy"). Schedivy is commonly owned by the assignee of the instant application.

Applicant requests that the double patenting rejection be held in abeyance pending disposition of the statutory rejections and possible amendments to the claims. If at such time, the Examiner maintains the double patenting rejection, Applicant will attend to responding to same. Accordingly, Applicant reserves the right to submit a Terminal Disclaimer under 37 C.F.R. § 1.321 to obviate the double patenting rejection. The filing of a Terminal Disclaimer is not intended to be, nor should it be construed as, an admission as to the merits of the rejection.

DEPENDENT CLAIMS

Applicant has not independently addressed the rejections of all the dependent claims because Applicant submits that, in view of the amendments to the claims presented herein and, for at least similar reasons as why the independent claims from which the dependent claims depend are believed allowable as discussed, *supra*, the dependent claims are also allowable. Applicant however, reserves the right to address any individual rejections of the dependent claims should such be necessary or appropriate.

An early and favorable reconsideration is earnestly solicited. If the Examiner has any further questions or comments, the Examiner may telephone Applicant's Attorney to reach a prompt disposition of this application.

Respectfully submitted,



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Reg. No. 44,952
Attorney for Applicant

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The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- This information disclosure statement is being filed within three (3) months of the filing date of this application.
- This information disclosure statement is being filed concurrently with the Request for Continued Examination (RCE) attached herewith
- This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- Statement under 37 C.F.R. § 1.97(e):
I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this statement.
- Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
 - Enclosed by check is the petition fee of \$130.00. 37 C.F.R. §1.17(i)(1)
- Please charge the \$130.00 petition fee to Deposit Account No. 50-0679.

- Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-0679. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> OIPE SEP 19 2006 PATENT & TRADEMARK OFFICE </div>		APPLICANT George C. Schedivy	
		FILING DATE May 15, 2003	GROUP ART UNIT 2629

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,081,420	06-2000	Kim et al.	361	681	
	6,292,236	09-2001	Rosen, John B.	348	837	
	5,255,214	10-1993	Ma, Hsi-Kuang	361	680	
	5,410,447	04-1995	Miyagawa et al.	361	681	
	6,266,236	07-2001	Ku et al.	361	681	
	6,102,476	08-2000	May et al.	297	217.3	
	4,982,996	01-1991	Vottero-Fin et al.	297	217.3	
	4,702,519	10-1987	Lobanoff			

FOREIGN PATENT DOCUMENTS

	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO
	FR 2817812	06-2002	France			X	
	WO 00/38951	07-2000	WO			X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DERWENT-ACC-NO: 2002-610787

DERWENT-WEEK: 200377



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TITLE: Seat for motor vehicle has
seat squab with backrest
having casing containing
video display screen

INVENTOR: BARET, F; PAILLET, H R ; THIEBAUD, J

PATENT-ASSIGNEE: FAURECIA SIEGES AUTOMOBILE
SA [FAUR]

PRIORITY-DATA: 2000FR-0016143 (December 12, 2000)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
FR 2817812 A1		June 14, 2002
N/A	017	B60N 002/44

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
FR 2817812A1	N/A	
2000FR-0016143	December 12, 2000	

INT-CL (IPC): B60N002/44, B60R011/02

ABSTRACTED-PUB-NO: FR 2817812A

BASIC-ABSTRACT:

BEST AVAILABLE COPY

NOVELTY - The seat for a motor vehicle has a seat squab and a backrest (3) with a front face (33) and a rear face (34) supporting a rigid casing (8) with an external face (81) and an internal face (82). The rigid casing has a display screen (4) to be connected to an electronic circuit for display of information. The screen is mounted in a window (10) in an upper part of the casing.

USE - For motor vehicle seats.

ADVANTAGE - Allows display of videos in vehicle.

DESCRIPTION OF DRAWING(S) - Drawing shows side view of vehicle seat.

Backrest 3

Screen 4

Casing 8

window 10

Front face of backrest 33

Rear face 34

Faces 81, 82

CHOSEN-DRAWING: Dwg.1/5

DERWENT-CLASS: Q14 Q17 W03 X22

① RÉPUBLIQUE FRANÇAISE
INSTITUT NATIONAL
DE LA PROPRIÉTÉ INDUSTRIELLE
PARIS

⑪ N° de publication : **2 817 812**
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commandes de reproduction)

⑫ N° d'enregistrement national : **00 16143**

⑮ Int Cl⁷ : B 60 N 2/44, B 60 R 11/02

⑫

DEMANDE DE BREVET D'INVENTION

A1

⑲ Date de dépôt : 12.12.00.

⑳ Priorité :

⑳ Date de mise à la disposition du public de la demande : 14.06.02 Bulletin 02/24.

㉑ Liste des documents cités dans le rapport de recherche préliminaire : *Se reporter à la fin du présent fascicule*

㉒ Références à d'autres documents nationaux apparentés :

⑴ Demandeur(s) : FAURECIA SIEGES D'AUTOMOBILE SA Société anonyme — FR.

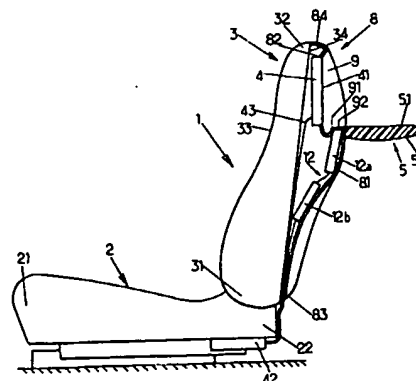
⑵ Inventeur(s) : PAILLET HAGA ROCH, BARET FREDERIC et THIEBAUD JULIEN.

⑶ Titulaire(s) :

⑷ Mandataire(s) : CABINET PLASSERAUD.

⑸ SIEGE DE VEHICULE AUTOMOBILE MUNI D'UN ECRAN D'AFFICHAGE VIDEO.

⑹ La présente invention concerne un siège de véhicule automobile comprenant une assise supportant un dossier (3) présentant une face avant (33) et face arrière (34) sur laquelle est disposée une coque rigide (8) ayant une face externe (81) et une face interne (82) disposée en regard de la face arrière (34) du dossier (3), ladite coque rigide (8) étant pourvue d'un écran d'affichage (4) destiné à être relié à un dispositif électronique permettant d'afficher des informations sur ledit écran d'affichage, caractérisé en ce que l'écran d'affichage (4) est logé dans une fenêtre (10) réalisée sur une portion supérieure de la coque (8), et en ce que le dispositif électronique comprend au moins un lecteur (12) rapporté sur la face interne (82) de la coque rigide.



FR 2 817 812 - A1



**SIEGE DE VEHICULE AUTOMOBILE MUNI
D'UN ECRAN D'AFFICHAGE VIDEO**

La présente invention se rapporte à un siège de
5 véhicule automobile comprenant une coque rigide munie d'un
écran d'affichage vidéo.

Plus particulièrement, l'invention concerne un siège
de véhicule automobile comprenant une assise supportant un
dossier présentant une face avant et une face arrière sur
10 laquelle est disposée une coque rigide ayant une face
externe et une face interne disposée en regard de la face
arrière du dossier, ladite coque rigide étant pourvue d'un
écran d'affichage destiné à être relié à un dispositif
électronique permettant d'afficher des informations sur
15 ledit écran d'affichage.

De telles coques rigides ont notamment été publiées
dans la revue mensuelle WEB magazine, édition de septembre
2000 aux pages 14 et 15.

Ces coques rigides pourvues d'un écran d'affichage
20 vidéo comprennent généralement un mécanisme complexe de
déplacement dudit écran entre deux positions. Dans une
première position, dite de non utilisation, l'écran
d'affichage est escamoté dans une cavité délimitée par le
dossier du siège et la coque rigide. Lorsque l'utilisateur
25 souhaite visualiser l'écran d'affichage, il commande
l'extraction dudit écran en dehors de la coque au moyen du
mécanisme qui comporte des rails permettant de guider ledit
écran en dehors d'une ouverture pratiquée sur la portion
supérieure de la coque rigide. Dans cette deuxième position,
30 l'écran d'affichage est situé sensiblement en avant de
l'appui-tête du siège et à hauteur des surfaces vitrées du
véhicule.

Dès lors, l'écran d'affichage est exposé, dans cette seconde position, à des reflets qui créent des problèmes de contraste sur la surface de visualisation de l'écran.

5 De plus, le mécanisme d'escamotage dudit écran étant relativement complexe et encombrant, il est difficile de disposer un système de lecture de support d'information vidéo dans la cavité délimitée par le dossier du siège et la coque rigide.

10 Ce système de lecture doit alors être disposé à l'extérieur de la coque et notamment dans l'accoudoir central de la banquette arrière ou dans le coffre du véhicule, ce qui implique une contrainte de câblage.

15 La présente invention a pour but de remédier, aux problèmes cités ci-dessus, tout en permettant un chargement aisé du support d'information.

A cet effet, l'invention a pour objet un siège de véhicule automobile comprenant une assise supportant un dossier présentant une face avant et face arrière sur
20 laquelle est disposée une coque rigide ayant une face externe et une face interne disposée en regard de la face arrière du dossier, ladite coque rigide étant pourvue d'un écran d'affichage destiné à être relié à un dispositif électronique permettant d'afficher des informations sur
25 ledit écran d'affichage, caractérisé en ce que l'écran d'affichage est logé dans une fenêtre réalisée sur une portion supérieure de la coque, et en ce que le dispositif électronique comprend au moins un lecteur rapporté sur la face interne de la coque rigide, ladite coque rigide étant,
30 en outre, pourvue d'une ouverture pour permettre l'introduction d'un support d'informations dans une fente d'introduction du lecteur.

Dans des formes de réalisation préférées de l'invention, on a recours, en outre, à l'une et/ou à l'autre des dispositions suivantes :

- 5 - une tablette est montée pivotante sur la coque rigide entre une position repliée dans laquelle la tablette est rabattue contre l'écran d'affichage et une position déployée dans laquelle la tablette est disposée sensiblement horizontalement ;
- 10 - la fenêtre logeant l'écran d'affichage et l'ouverture permettant l'accès à la fente d'introduction du lecteur sont situées dans un renforcement réalisé sur la face externe de la coque rigide, et la tablette est logée dans ledit renforcement dans sa position repliée ;
- 15 - le renforcement comprend une portion en saillie sur laquelle est réalisée ladite ouverture et la tablette est montée pivotante sur ladite portion en saillie du renforcement ;
- 20 - le renforcement comprend, en outre, un logement pour loger de manière amovible un boîtier de commande du lecteur ;
- le renforcement comprend, en outre, au moins une prise de connexion pour un casque audio ;
- 25 - le lecteur comprend un boîtier de chargement du support d'information et un boîtier électronique relié au boîtier de chargement, le boîtier électronique étant apte à décoder les informations contenues dans le support et le dispositif électronique comprend, en outre, un système d'interface vidéo relié à l'écran d'affichage et au boîtier électronique pour permettre le branchement d'un dispositif
- 30 de lecture vidéo extérieur à la coque rigide, ledit système d'interface vidéo étant disposé sous l'assise dudit siège ;
- la portion supérieure de l'écran d'affichage est montée pivotante sur la face interne de la coque rigide et

- la face externe de la coque présente, sur au moins une moitié inférieure, une cavité pour libérer de l'espace pour les genoux d'un passager.

5 D'autres caractéristiques et avantages de l'invention apparaîtront au cours de la description qui va suivre d'une de ses formes de réalisation, donnée à titre d'exemple non limitatif, en regard des dessins joints.

Sur les dessins :

10 - la figure 1 représente une vue en coupe d'un siège de véhicule équipé d'une coque conforme à l'invention ;

- la figure 2 représente une vue arrière en perspective du siège de véhicule représenté sur la figure 1 ;

15 - les figures 3 et 4 représentent des vues en perspective de la face externe de la coque d'un dossier de siège véhicule conforme à l'invention, et

- la figure 5 représente une vue arrière en perspective de la face interne de la coque rigide.

20 Sur les différentes figures, les mêmes références désignent des éléments identiques ou similaires.

25 La figure 1 représente un siège avant 1 de véhicule automobile qui comprend, de manière connue en soi, une assise 2 s'étendant entre une extrémité avant 21, et une extrémité arrière 22, et un dossier 3 supporté par l'extrémité arrière 22 de l'assise 2. Le dossier s'étend sensiblement verticalement entre une extrémité inférieure 31 et une extrémité supérieure 32.

30 Le dossier 3 présente également une face avant 33 qui définit avec l'assise 2 un espace d'accueil pour l'occupant du siège avant, et une face arrière 34 sur laquelle est rapportée une coque rigide 8.

Cette coque rigide 8, comme on peut le voir sur les figures 2 à 5, s'étend entre une extrémité inférieure 83 et une extrémité supérieure 84 et elle comprend une face

externe 81 et une face interne 82 disposée en regard de la face arrière 34 du dossier 3 (figure 1).

La face interne 82 de la coque 8 présente un contour sensiblement identique à celui de la face arrière 34 du dossier 3 et elle présente, en outre, des organes de fixation destinés à permettre la fixation de la coque rigide 8 sur le dossier 3 du siège. Ces organes de fixation peuvent être constitués, par exemple, par des éléments élastiquement déformables qui coopèrent par clipsage avec des berceaux disposés sur la face arrière 34 du dossier 3 ou par tout autre moyen approprié permettant de solidariser la coque avec le dossier.

Comme on peut le voir sur les figures 1 et 3, la coque rigide 8 comprend, dans sa partie supérieure, un renforcement 9 dans lequel est réalisée une fenêtre 10 destinée à loger, de manière fixe ou non, un écran d'affichage 4 de sorte que sa surface de visualisation 41 soit visible par un passager depuis la portion supérieure de la face externe 81 de la coque 8.

L'écran d'affichage 4 est relié à un dispositif électronique permettant d'afficher des informations sur ledit écran telle qu'une image vidéo fixe ou animée, des textes ou des menus ou analogues. Le dispositif électronique comprend un lecteur 12 de disque numérique 13 support d'informations vidéo et/ou audio directement intégré dans l'espace intérieur délimité par la face arrière 34 du dossier 3 et la face interne 82 de la coque rigide 8.

Cet espace intérieur étant relativement restreint, le lecteur 12 peut être avantageusement subdivisé en un boîtier de chargement 12a (figure 5) du disque numérique 13 et en un boîtier électronique 12b apte à décoder les informations contenues dans ledit disque numérique 13. Les boîtiers électroniques 12b et de chargement 12a sont reliés entre eux par liaison filiaire et ils sont tous les deux

fixés contre la face interne 82 de la coque rigide comme on peut le voir sur les figures 1 et 5.

Suivant le type d'écran d'affichage vidéo 4 utilisé, ce dernier peut être associé à un système d'interface vidéo 42. Dans ce cas, le système d'interface vidéo 42 est disposé à l'extérieur de la coque rigide 8 et il est avantageusement fixé sous l'extrémité arrière 22 de l'assise 2 du siège avant 1.

Ainsi, une console numérique telle qu'une console de jeu vidéo (non représentée sur les figures) peut être connectée au système d'interface vidéo 42. Des fils 43 et 44 (figure 5) relient respectivement le système d'interface vidéo 42 à l'écran 4 et au boîtier électronique 12b du lecteur 12. Ces fils 43 et 44 présentent une faible portion extérieure apparente située au niveau de l'extrémité arrière 22 de l'assise 2, ce qui ne perturbe aucunement le confort des passagers de la banquette arrière du véhicule.

De manière avantageuse, le renforcement 9 comprend une portion en saillie 91 présentant une ouverture 92 située au-dessous de la fenêtre 10 pour permettre un accès direct aisé à une fente d'introduction du boîtier de chargement 12a du lecteur 12, ce qui facilite le chargement du support d'informations 13.

Le boîtier de chargement 12a est directement fixé sur la face interne 82 de la coque 8 et il présente une portion d'extrémité supérieure directement logée dans la cavité interne formée par la portion en saillie 91 du renforcement 9.

La coque rigide comprend, en outre, une tablette 5 montée pivotante sur la portion en saillie 91 du renforcement 9. La tablette 5 comprend une première face 51 et une deuxième face 52.

Cette tablette 5 est montée pivotante entre, d'une part, une première position dite déployée dans laquelle la

5 tablette 5 ou du moins sa première face 51 est disposée sensiblement horizontalement et, d'autre part, une deuxième position dite repliée dans laquelle la première face 51 de la tablette 5 est rabattue contre la surface de visualisation 41 de l'écran d'affichage.

10 A cet effet, la portion en saillie 91 du renforcement 9 présente deux axes pivots 14 situés de part et d'autre des bords latéraux de ladite portion en saillie 91, ces axes pivots 14 étant destinés à être logés dans des alésages 15 réalisés sur la tablette 5 pour lui permettre de pivoter entre ses positions repliée et déployée.

15 Comme on peut le voir sur la figure 3, la tablette 5 présente un contour sensiblement identique à celui du renforcement 9, de sorte qu'en position repliée, la tablette 5 rentre au moins en partie dans ledit renforcement 9 en ne laissant apparaître que sa deuxième face 52. L'écran d'affichage 4 est donc protégé de tout choc éventuel et rendu invisible lorsqu'il n'est pas utilisé.

20 Bien entendu, le lecteur 12 du dispositif électronique peut être fixé sur une autre portion de la face interne 82 de la coque rigide et, dans ce cas, l'ouverture 91 pratiquée pour permettre l'accès à la fente d'introduction dudit lecteur 12 sera située à l'extérieur du renforcement 9 mais toujours sur la coque rigide afin de
25 permettre un chargement aisé du support d'informations 13. L'articulation de la tablette 5 sur la coque 8 pourra se faire au moyen d'au moins un axe pivot disposé dans le renforcement 9 ou sur la face externe 81 de la coque.

30 Le renforcement peut comprendre, en outre, un logement 16 pour loger de manière amovible un boîtier de commande à distance du lecteur 12. La première face 51 de la tablette peut également être pourvue d'un logement 17 (figure 3) de forme complémentaire à celle du logement 16 du renforcement 9 dans le cas où le boîtier de commande (non

représenté) du lecteur ferait saillie hors du logement 16. De plus, le renforcement 9 peut également être équipé d'au moins une prise de connexion 18 pour un casque audio afin que le passager installé en regard de la surface de visualisation 41 de l'écran ne perturbe pas le confort sonore des autres occupants du véhicule.

Comme on peut le voir sur la figure 5, l'écran d'affichage peut être logé dans la fenêtre 10 tout en étant monté pivotant sur la face interne 82 de la coque rigide.

A cet effet, la portion supérieure de l'écran d'affiche comprend, par exemple, des axes pivots 45 montés rotatifs sur des bras 19 rapportés sur la face interne 82 de la coque rigide.

La face externe 81 de la coque rigide est également pourvue sur sa moitié inférieure d'une cavité 23 permettant de libérer de l'espace pour les genoux du passager disposé sur la banquette arrière. La cavité 23 est pourvue d'orifices d'aération 24 reliés à un circuit d'aération intégré au siège avant du véhicule.

REVENDEICATIONS

1. Siège de véhicule automobile comprenant une assise (2) supportant un dossier (3) présentant une face
5 avant (33) et face arrière (34) sur laquelle est disposée une coque rigide (8) ayant une face externe (81) et une face interne (82) disposée en regard de la face arrière (34) du dossier (3), ladite coque rigide (8) étant pourvue d'un
10 écran d'affichage (4) destiné à être relié à un dispositif électronique permettant d'afficher des informations sur ledit écran d'affichage, caractérisé en ce que l'écran d'affichage (4) est logé dans une fenêtre (10) réalisée sur une portion supérieure de la coque (8), et en ce que le
15 dispositif électronique comprend au moins un lecteur (12) rapporté sur la face interne (82) de la coque rigide, ladite coque rigide étant, en outre, pourvue d'une ouverture (92) pour permettre l'introduction d'un support d'informations (13) dans une fente d'introduction du lecteur (12).

2. Siège selon la revendication 1, dans lequel une
20 tablette (5) est montée pivotante sur la coque rigide (8) entre une position repliée dans laquelle la tablette (5) est rabattue contre l'écran d'affichage (4) et une position déployée dans laquelle la tablette (5) est disposée sensiblement horizontalement.

25 3. Siège selon la revendication 2, dans lequel la fenêtre (10) logeant l'écran d'affichage (4) et l'ouverture (92) permettant l'accès à la fente d'introduction du lecteur (12) sont situées dans un renforcement (9) réalisé sur la face externe (81) de la coque rigide, et la tablette (5) est
30 logée dans ledit renforcement (9) dans sa position repliée.

4. Siège selon la revendication 3, dans lequel le renforcement (9) comprend une portion en saillie (91) sur laquelle est réalisée ladite ouverture (92) et la

tablette (5) est montée pivotante sur ladite portion en saillie (91) du renforcement (9).

5 5. Siège selon l'une ou l'autre des revendications 3 et 4, dans lequel le renforcement (9) comprend, en outre, un logement (16) pour loger de manière amovible un boîtier de commande du lecteur.

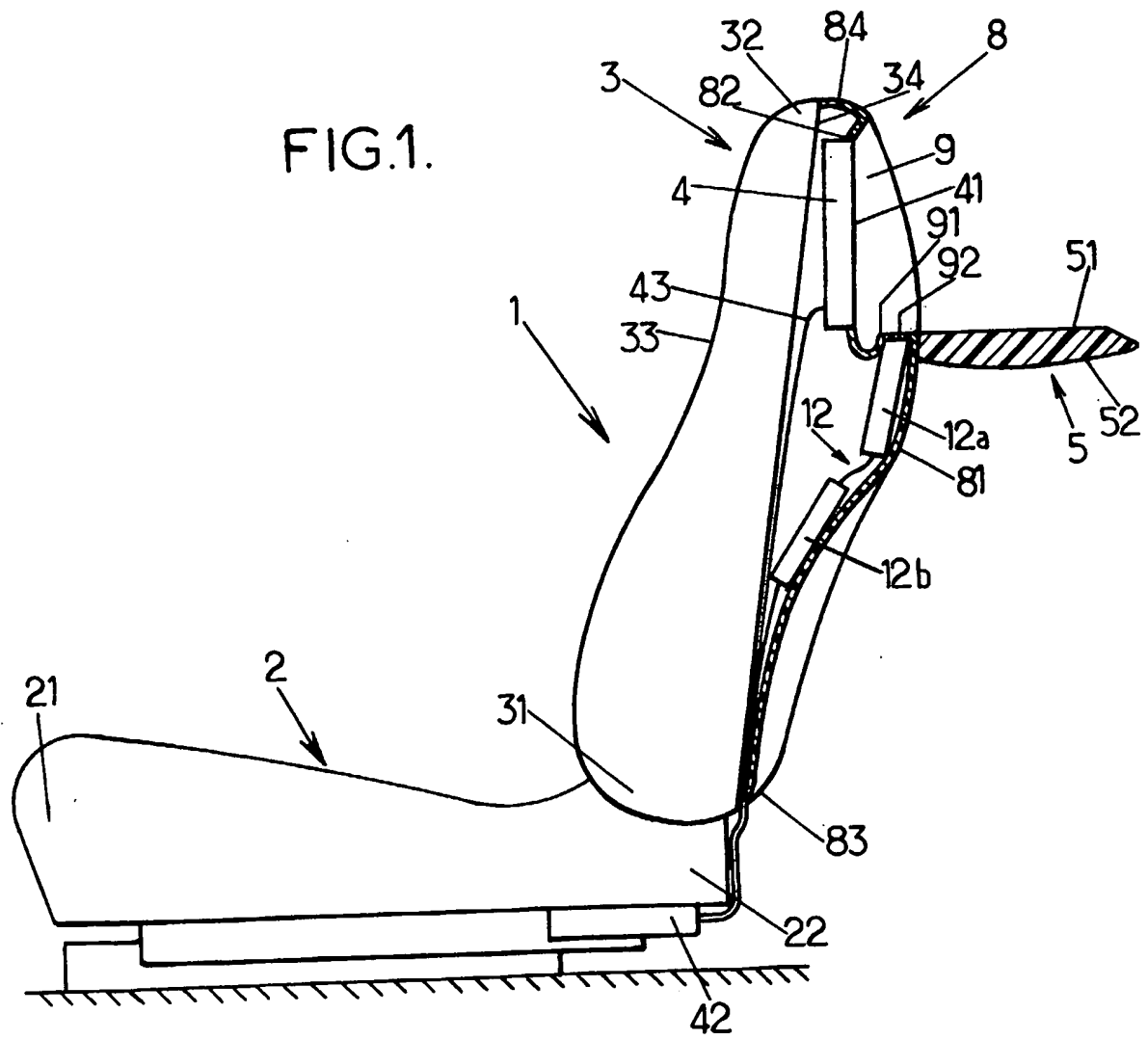
6. Siège selon l'une quelconque des revendications 3 à 5, dans lequel le renforcement comprend, en outre, au moins une prise de connexion (18) pour un casque audio.

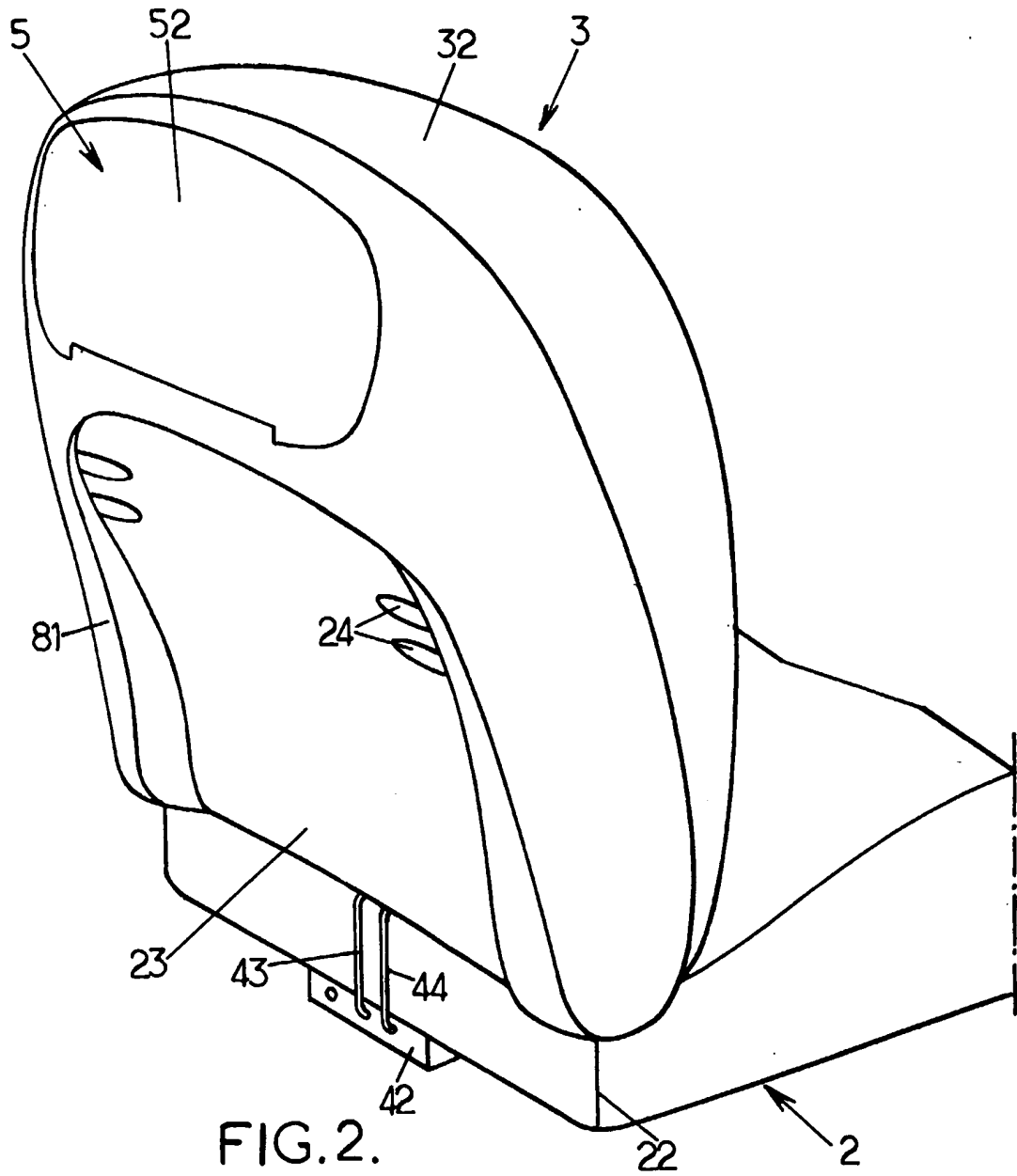
10 7. Siège selon l'une quelconque des revendications précédentes, dans lequel le lecteur (12) comprend un boîtier de chargement (12a) du support d'information (13) et un boîtier électronique (12b) relié au boîtier de chargement (12a), le boîtier électronique (12b) étant apte à décoder
15 les informations contenues dans le support et le dispositif électronique comprend, en outre, un système d'interface vidéo relié à l'écran d'affichage (4) et au boîtier électronique (12b) pour permettre le branchement d'un
20 ledit système d'interface vidéo étant disposé sous l'assise dudit siège.

8. Siège selon l'une quelconque des revendications précédentes dans lequel la portion supérieure de l'écran d'affichage (4) est montée pivotante sur la face interne
25 (82) de la coque rigide (8).

9. Siège selon l'une quelconque des revendications précédentes, dans lequel la face externe (81) de la coque (8) présente, sur au moins une moitié inférieure, une cavité (21) pour libérer de l'espace pour les genoux d'un passager.

FIG.1.





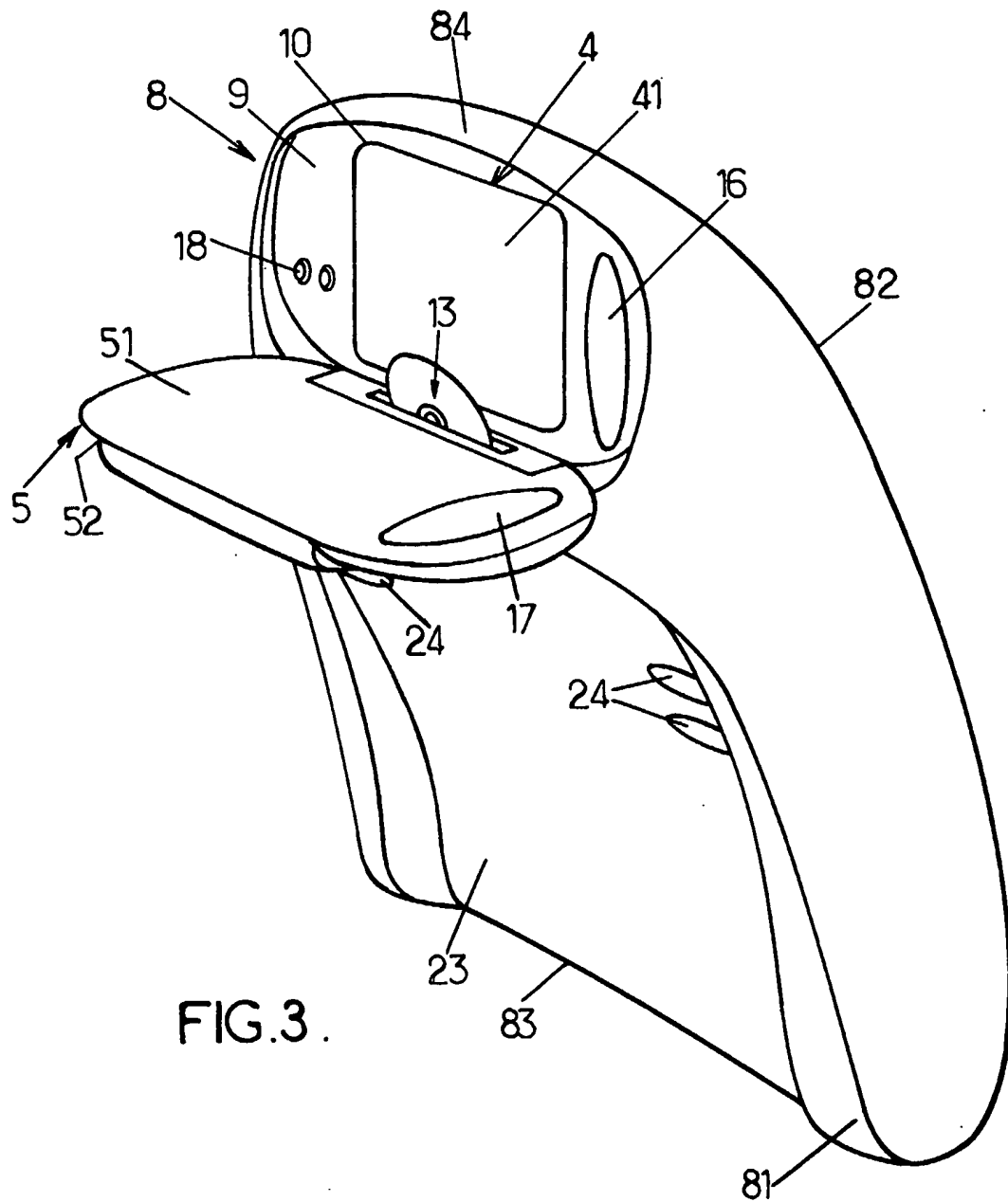


FIG. 3.

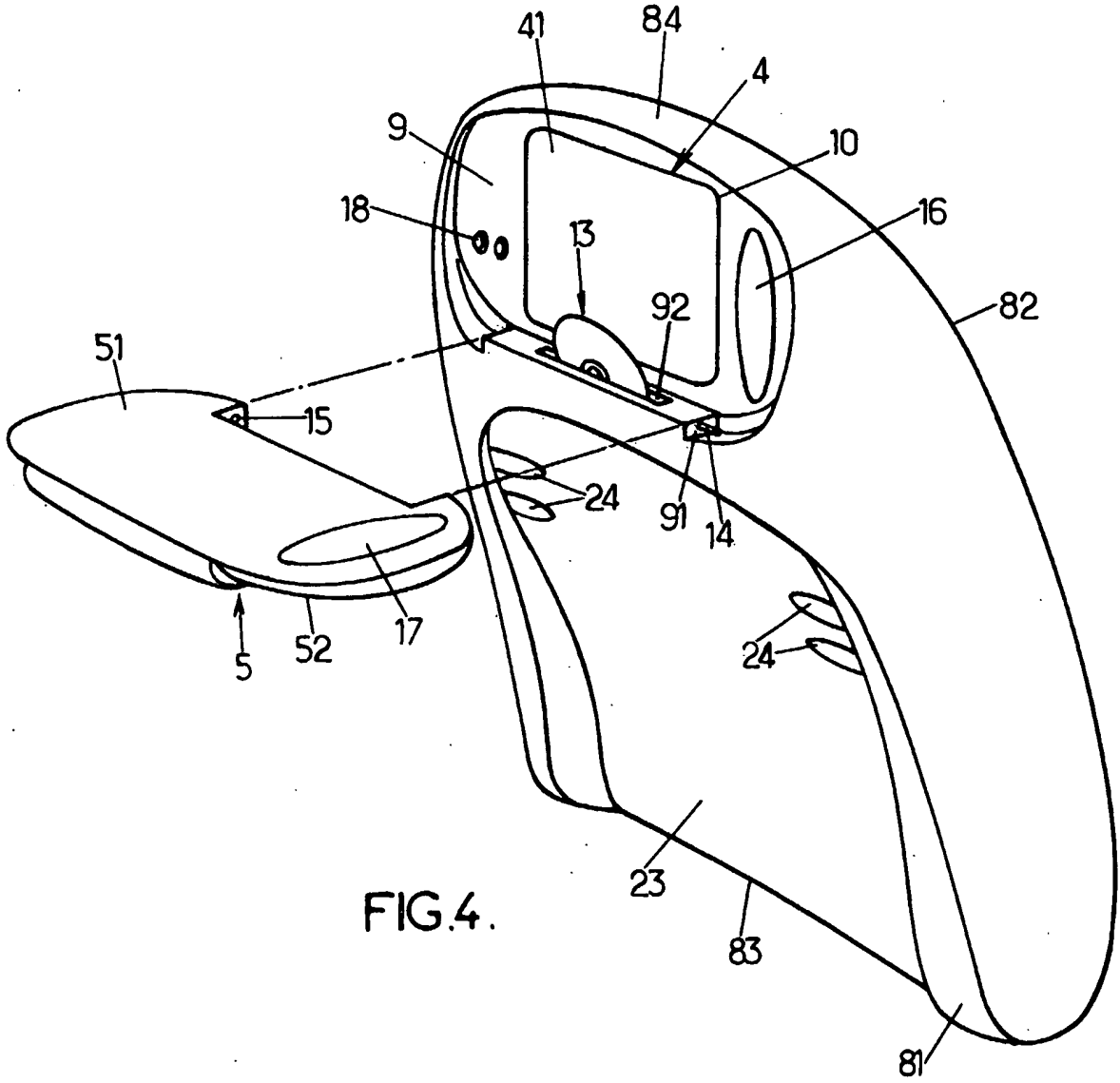


FIG.4.

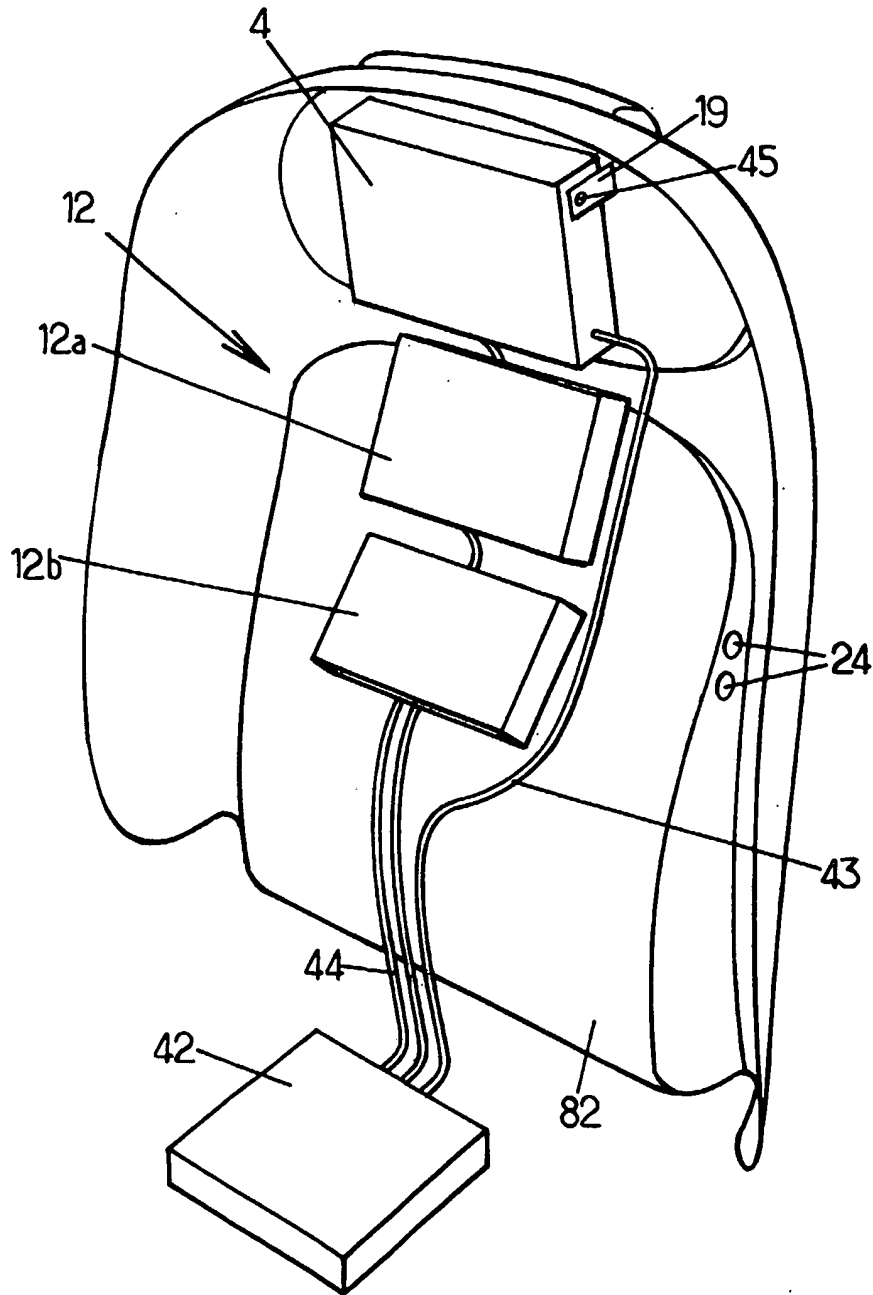


FIG. 5.



**RAPPORT DE RECHERCHE
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DOCUMENTS CONSIDÉRÉS COMME PERTINENTS		Revendication(s) concernée(s)	Classement attribué à l'invention par l'INPI
Catégorie	Citation du document avec indication, en cas de besoin, des parties pertinentes		
A	DE 197 08 764 A (MAN TECHNOLOGIE GMBH) 13 novembre 1997 (1997-11-13) * colonne 9, ligne 33 - ligne 52 * * colonne 10, ligne 35 - ligne 43 * * figures 1,2 *	1	B60N2/44 B60R11/02
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 septembre 1999 (1999-09-30) & JP 11 151986 A (IKEDA BUSSAN CO LTD), 8 juin 1999 (1999-06-08) * abrégé *	1	
A	"PROTOTYPE D'UNE OPEL OMEGA TRES BRANCHEE WWW.OPELOMEGA.COM... TO THE FUTURE" REVUE AUTOMOBILE, HALLWAG S.A. BERNE, CH, vol. 94, no. 36, 2 septembre 1999 (1999-09-02), page 13 XP000848709 ISSN: 0035-0761 * le document en entier *	1	
A	US 5 895 096 A (MASSARA ANDREW J) 20 avril 1999 (1999-04-20) * abrégé; figure 1 *	1	DOMAINES TECHNIQUES RECHERCHÉS (Int.CL.7) B60R B60N B64D
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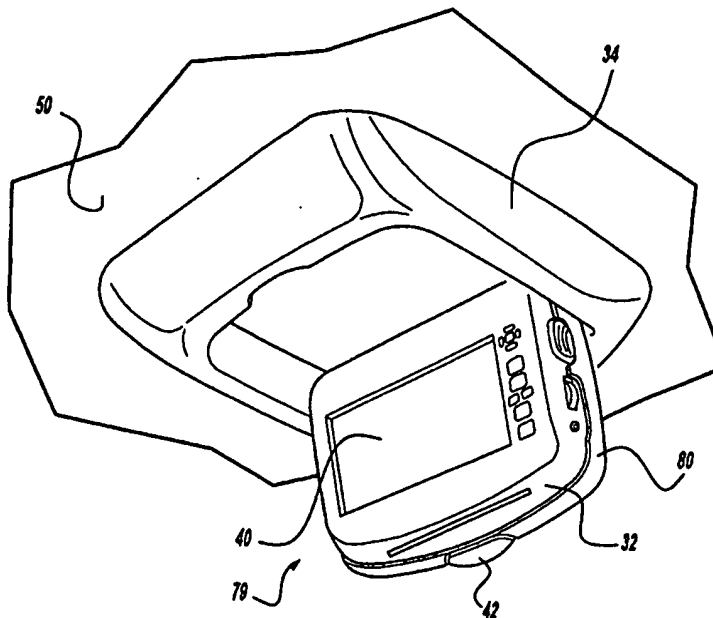


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(54) Title: VIDEO DISPLAY SYSTEM FOR A VEHICLE



(57) Abstract

A video display system (30) is provided. The video display system includes a housing (80) and a screen console (38) having a screen (40) moveably connected to the housing. A digital video disc player (32) is integrally positioned within either the housing or the screen console. The screen console is removably attached to the housing.

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VIDEO DISPLAY SYSTEM FOR A VEHICLE

BACKGROUND OF THE INVENTION

1. Field of the Invention

5 The present invention relates generally to a video display system, and, more particularly, to a video display system which is mountable in a vehicle and also removable for use outside the vehicle.

2. Discussion of the Related Art

10 Televisions and video cassette players have recently become quite popular in motor vehicles as a means of providing entertainment for both children and adults. Such devices, for the most part, however, have been limited to use in larger vehicles such as sport utility vehicles, mini-vans, and full size vans due to the space requirements for conventional televisions and video cassette players. Such systems have often been mounted in a console
15 on the floor of a vehicle, as well as to the headliner of a vehicle. In either mounting, such systems require a significant amount of space. Also, such systems have typically not been removable easily from the vehicle for use outside the vehicle with an AC power source.

More recently advances in Liquid Crystal Display (LCD) panels have significantly improved the picture and contrast afforded by these types of displays, making them suitable
20 for use in a wide variety of applications. LCDs are much thinner than conventional cathode ray tubes (CRTs) and therefore require significantly less space than a conventional television employing a CRT as a picture tube. LCDs are also much lighter in weight than CRTs, therefore making them readily portable, as evidenced by the popularity of laptop computers. The lightweight and compact configuration of an LCD panel would therefore enable it to

easily be mounted in various interior areas of a motor vehicle such as a sport utility vehicle, truck, van, or car, where the mounting of a video screen having a CRT would not be possible because of space constraints.

Even more recently, Digital Video Disc (DVD) players have become increasingly popular. DVD players are significantly more compact than video cassette players, lighter in weight, generate less heat and offer significantly enhanced picture and sound quality over a VHS format videocassette. The extremely compact dimension of a DVD, which is essentially the same as a compact disc, further enables the dimensions of the DVD player to be kept very compact. DVD players are not limited to playing video discs, but can also play compact discs as well.

In view of the foregoing performance and compact size advantages offered by LCD panels and DVD players, it would be highly desirable to incorporate both such devices into an integrated LCD/DVD unit which could be easily mounted within a motor vehicle such as a car, sport utility vehicle, van, mini-van, or truck. More preferably, it would be highly desirable to incorporate an integrated LCD/DVD unit into a console in such a manner that the LCD/DVD unit can be quickly and easily moved into a viewable position, such as flipped down from a headliner mounted console, and also easily moved into a stowed position so that it is out of the way when not in use.

It would further be highly desirable to provide an LCD/DVD player which can be quickly and easily removed from its associated console so that the entire unit can be used outside of the vehicle with an alternate AC or DC power source.

SUMMARY OF THE INVENTION

The present invention relates to an integrated visual display/digital media player in the form of an integrated LCD/DVD unit or video display system and a docking member which is movably mounted within a console. The video display system can be used to watch material contained on digital video discs or to play compact discs, provided speakers are
5 coupled to the video display system.

In one preferred embodiment, the video includes a housing and a screen console having a screen. The screen console is moveable between a first position and a second position. A digital video disc player is simultaneously integrally positioned within one of
10 the housing and the screen console and operably connected to the screen.

In another preferred embodiment the video display system is releasably coupled to the docking member. The docking member is in turn movably coupled to the console. The console may be mounted at many places within the vehicle, but in the preferred embodiment is mounted to the headliner of the vehicle. A latch on the back of the docking member
15 automatically holds it in a retracted or "stowed" position when the unit is inserted into the docking member and then folded up into the console. Latch assemblies on the video display system releasably secure it to the docking member yet permit the unit to be easily uncoupled from the docking member and removed for use outside of the vehicle.

The present invention requires only a small portion of the space required by a
20 television having a cathode ray tube and a video cassette player. When in the stowed position, the video display system is held within its associated console and forms an unobtrusive system which does not interfere appreciably with the driver's vision out of the rear of the vehicle, when mounted in the headliner. The system, however, is compact

enough to readily permit mounting in outer areas, such as the rear of the two front seats or on a floor mounted console.

In addition, the smaller packaging and footprint of the present invention make the video display system easier to incorporate into various styles and types of vehicles.

5 In addition, the video display system of the present invention can be removed from the docking station which is located in the headliner and placed in another docking station which is located remote from the vehicle. This enables the video display system to be used for entertainment when at a location outside the vehicle. Further, the video display system may also incorporate a television tuner and/or cable adapter so as to allow the video display
10 system to display television programs.

Other objects and advantages of the present invention will become apparent to those skilled in the art upon reading the following detailed description and upon reference to the following drawings.

15 BRIEF DESCRIPTION OF THE DRAWINGS

The various advantages of the present invention will become apparent to one skilled in the art upon reading the following specification and by reference to the drawings in which:

FIGURE 1 is a front perspective view of a preferred embodiment made in
20 accordance with the teaching of the present invention;

FIGURE 2 is a rear perspective view of the embodiment shown in FIGURE 1 made in accordance with the present invention;

FIGURE 3 is an exploded view of the preferred embodiment shown in FIGURE 1 made in accordance with the present invention;

FIGURE 4 is a front perspective view of an alternative preferred embodiment made in accordance with the present invention;

5 FIGURE 5 is an exploded view of the embodiment shown in FIGURE 4 made in accordance with the present invention;

FIGURES 6a and 6b are alternative embodiments of the housing of the embodiment shown in FIGURE 4 made in accordance with the present invention;

10 FIGURES 7a-7c are side views of the latch mechanism of the embodiment shown in FIGURE 4 made in accordance with the present invention;

FIGURE 8a is a front view of a stand operable with the embodiment shown in FIGURE 4 made in accordance with the present invention;

FIGURE 8b is a side view of the stand shown in FIGURE 8a made in accordance with the present invention;

15 FIGURE 9 is a front perspective view of a tuner stand operable with the embodiment shown in FIGURE 4 made in accordance with the present invention;

FIGURE 10 is a perspective view of an alternative embodiment of the present invention shown in FIGURE 4 made in accordance with the present invention;

20 FIGURE 11 is an exploded view of the embodiment shown in FIGURE 10 made in accordance with the present invention;

FIGURE 12 is a front perspective view of the housing of the embodiment shown in FIGURE 10 made in accordance with the present invention;

FIGURE 13 is a perspective view of the embodiment shown in FIGURE 10 made in accordance with the present invention;

FIGURE 14 is a perspective view of the embodiment shown in FIGURE 10 made in accordance with the present invention;

5 FIGURE 15 is a perspective view of the embodiment shown in FIGURE 10;

FIGURE 16 is a front perspective view of an alternative preferred embodiment made in accordance with the present invention; and

FIGURE 17 is an exploded view of the embodiment shown in FIGURE 4 made in accordance with the present invention.

10

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The following description of the preferred embodiments is merely exemplary in nature, and are in no way intended to limit the invention or its application or uses. Moreover, while the detailed description discloses a specific vehicle interior trim component embodiment, one skilled in the art will recognize that any vehicle interior trim component could incorporate the present invention.

15 Referring to FIGURES 1 and 2, a video display system 30 is shown. The video display system 30 includes a digital video disc (DVD) player 32 that is integrated in a housing 34. The housing 34 also includes a plurality of controls 36 that allow a user to operate the DVD player 32. A screen console 38 having a screen portion 40 is rotatably mounted to the housing 34. Releasing a latch mechanism 42 allows the screen console 38 to rotate from a first or closed position 44 to a second or open position 46. The latch mechanism 42 is positioned substantially on the screen console 38 engageable with a

portion of the housing 34. Alternatively, the latch mechanism 42 can be positioned substantially on the housing 34 engageable with a portion of the screen console 38. A plurality of audio connectors 48 is also integrated with the housing extending from the housing such that a user could connect speakers, headphones, or other conventionally known listening devices to the video display system 30.

Although the video display system 30 is depicted in FIGURES 1 and 2 as being mounted to a headliner of a motor vehicle interior, it will be appreciated by one of ordinary skill in the art that the video display system 30 could be mounted in several areas of a vehicle, including, but not limited to, a seat back, a floor console, a center armrest console, etc. Additionally, the video display system 30 is not limited to automotive applications. The video display system could easily be incorporated into similar components within the cabin of a boat, aircraft, etc.

Referring to FIGURE 3, the components of the video display system 30 are shown. The housing 34 includes a retainer portion 52 and a bezel portion 54, with a vehicle interface wiring harness 56 extending through the retainer portion 52 and the bezel portion 54 including a plurality of apertures 55. The plurality of apertures 55 are positioned accordingly on the bezel portion 54 in order to accommodate digital video discs and the plurality of controls 36. Several components are integrated in the bezel portion 54 and the retainer portion 52 of the housing 34. These components include the DVD player 32, a disk wiper assembly 58, and a power supply 60. Additionally, printed circuit boards 62 are integrated into the housing 34 providing, among other things, a user input and output interface with the audio connectors 48 and the plurality of controls 36. Each of the components are fixedly secured within the housing. In a preferred

embodiment, threaded fasteners 64 are used for this purpose. However, one of ordinary skill in the art will appreciate that other types of fasteners could be used with equal results and, therefore, are within the scope of this disclosure. Additionally, each component is operatively associated with the other components in any known conventional manner
5 such that the DVD player functions as it is intended and, therefore, is also within the scope of one of ordinary skill in the art.

In FIGURE 3, the first latch mechanism 42 includes a latch portion 66 and a latch spring 68 operatively associated with the bezel portion 54 of the housing 34 in order to retain the screen console 38 in a first or closed position 44. Alternatively, the first latch
10 mechanism 42 could be positioned within the screen console 38 and operatively associated with the housing 34 in order to releasably retain the screen console 38 within the housing 34.

The screen console 38 includes a screen 40, preferably a liquid crystal display, positioned within a rear cover 70 of the screen console and a front cover 72 of the screen
15 console 38. The screen console 38 is moveably associated with the housing 34. In a preferred embodiment, the screen console 38 is rotatably or pivotally associated with the housing 34 through the use of a torque hinge 74. The torque hinge 74 provides a smooth, constant, and controlled rotation of the screen console 38 from the first or closed position 44 to the second or open position 46 after the latch mechanism 42 is actuated by a user.
20 One of ordinary skill in the art will appreciate that various types of hinge mechanisms can be used with equal results. Additionally, one of ordinary skill in the art will appreciate that the screen console 38 and screen 40 could be movably associated with the housing 34 such that the screen console moved from the first or closed position 44 to the second or

open position 46 along an axial path after the latch mechanism 42 had been actuated. This type of movement would include, but is not limited to sliding in an upwardly or downwardly facing direction.

The screen 40 is also operatively associated with the components integrated in the housing 34 such that the DVD player 32 functions as intended in any conventionally
5 known manner. Connecting the screen 40 in this manner is also within the skill of one of ordinary skill in the art. Additionally, conventionally known fasteners 64 are used to attach the torque hinge 74 to the housing 34 and the screen console 38. Conventionally known fasteners 64 are also used to attach the front cover 72 to the rear cover 70 thereby
10 retaining the screen 40 within the screen console 38.

Also positioned on the screen console 38 is an infrared transmitter/receiver 76. Alternatively, the infrared transmitter/receiver 76 could be positioned on the housing 34 with equal results. The infrared transmitter/receiver 76 is operable to receive control signals from a remote control device 78 actuated by the user and operable to send audio
15 signals to remote locations including, but not limited to, infrared headphones and speakers.

In an alternative preferred embodiment, the video display system 30 components can be operably arranged and integrated into the screen console 38 forming a self contained video player unit 79 that is detachable from the housing 34. This alternative
20 preferred embodiment will now be described in greater detail with features corresponding to the features of the above-described embodiment being referenced using the same reference numbers and reference signs.

Referring to FIGURE 4, the video display system 30 of an alternative preferred embodiment is shown. The video display system 30 includes a DVD player 32 and a screen 40 integrated in a screen console 38 forming a video player unit 79 releasably attached to a housing panel 80. The housing panel 80 is moveably attached to the housing 34 and is operable to move between a first or closed position 44 and a second or open position 46, as previously described with reference to FIGURES 1 - 3. The housing panel 80 also incorporates a first latch mechanism 42 that releasably retains the screen console 38 and the housing panel 80 in the first or closed position 44 and, when actuated by a user, allows the screen console 38 and the housing panel 80 to be released and moved to the second or open position 46. In this embodiment, the screen 40 is a liquid crystal display.

Referring to FIGURE 5, the screen console 38 is shown detached from the housing panel 80. The screen console 38 includes a second latch mechanism 82 operatively associated with the panel housing 80 to releasably connect the screen console 38 to the housing panel 80. In this embodiment, the screen console 38 also includes an infrared transmitter/receiver 76 operable to receive control signals from a remote control device 78 and operable to send audio signals to remote locations including, but not limited to, infrared headphones and speakers. Additionally, the screen console includes a plurality of controls 36 that allow the user to operate the DVD player and a slot 81 allowing insertion and removal of the digital video disc. The screen console 38 also incorporates an audio connector 86 and a corresponding audio control switch 88. One of ordinary skill in the art will appreciate that the audio connector 86 is operable to receive a connector from headphones or speakers.

The screen console 38 in this embodiment also includes an auxiliary power connector 90. Again, one of ordinary skill in the art will appreciate that this connector is operable to receive power from various types of remote sources including, but not limited to an alternating current power source (e.g. a conventionally known power outlet in a home), and a direct current power source (e.g. a automobile battery, a conventionally known battery, etc.). Additionally, a rechargeable battery can be integrated in the screen console 38 providing power to the video player unit 79 when the video player unit 79 is detached from the housing panel 80 and being used in a portable capacity. The rechargeable battery recharges using the vehicle's electric power supply when the video display unit 79 is attached to the housing panel 80. As can be seen in FIGURE 5, the housing panel 80 also includes a wiring harness connector 92 operable to engage a corresponding wire harness connector 93, as shown in FIGURES 7a-7c, positioned on a rear side of the screen console 38.

Although this embodiment is shown mounted to a headliner 50 of an automobile, it is within the scope of this disclosure that this video display system 30 could also be mounted to other interior components located within the automobile, including, but not limited to, seat backs, center consoles, etc.

Referring to FIGURE 17, the components of the video display system 30 of the alternative preferred embodiment shown in FIGURES 4 and 5 are shown. The housing 34 includes a retainer portion 52 attached to a bezel portion 54 using threaded fasteners 64. The housing 34 is attached to an interior trim component of a vehicle using at least one attachment clip 180. Although threaded fasteners 64 are used in this embodiment, it is specifically contemplated and, therefore, within the scope of this disclosure, that the

retainer portion 52 and the bezel portion 54 can be attached together through any conventionally known means including, but not limited to, other types of fasteners and attachment brackets molded into the retainer portion and/or the bezel portion 54.

The housing panel 80 includes a display carrier portion 182 and a display carrier trim portion 184 fastened to each other using the means previously described. The housing panel 80 is moveably associated with the housing 34. In this preferred embodiment, the housing panel 80 is rotatably or pivotally attached to the housing 34 through the use of a torque hinge 74. The torque hinge 74 provides a smooth, constant, and controlled rotation of the housing panel 80 from the first or closed position 44 to the second or open position 46 after the latch mechanism 42 is actuated by a user. One of ordinary skill in the art will appreciate that various types of hinge mechanisms can be used with equal results. In this embodiment, the first latch mechanism 42 including a latch portion 66 and a spring latch 68 is positioned substantially on the housing panel 80 and operatively associated with the bezel portion 54 of the housing 34 in order to retain the screen console 38 in a first or closed position 34.

The screen console 38 includes a screen 40 and a DVD player 32 positioned substantially within a front cover 72 and a rear cover 70. The DVD player 32 and the screen 40 are positioned parallel to one another, and as both are integrated into the single unit screen console 38, pivot or rotate through the same arc or motion as the housing panel 80 moves from the first or closed position 44 to the second or open position 46.

Additional components are also positioned substantially within the rear cover 70 and the front cover 72 of the screen console 38. All of the components in this embodiment are operatively associated with each other in order to allow the DVD player

to function as intended. These components include a plurality of printed circuit boards 62 providing input and output interfaces with a plurality of controls 36, audio connectors 86, power connectors 82, etc. A disc wiper assembly 58 and a screen inverter 186 are also provided within the screen console 38. In this embodiment, the infrared transmitter/receiver 76 and the infrared lens 192 are positioned on the front cover 72 while the second latch mechanism 82 and the wiring harness connector 93 are positioned on the rear cover 70. The latch mechanism includes a latch portion 188 and a spring portion 190. The wiring harness connector 93 corresponds to a wiring harness connector 92 positioned substantially within the housing panel 80.

10 The alternative embodiment described in FIGURES 4, 5, and 17 may also be provided in a manner such that the screen console 38 is not removable from the housing panel 80, as shown in FIGURE 16. In this embodiment, the positioning of the components of the video display system 30 is substantially similar to the positioning of the components shown in FIGURE 17, the only difference being that the housing panel 15 80 and the screen console 38 are provided as a single unit without the screen console release feature described above.

Referring to FIGURES 6a and 6b, a front portion 94 of the bezel portion 54 of the housing 34 may incorporate additional comfort features, including, but not limited to at least one interior lighting system 96 and at least one interior climate control system 98. 20 Additionally, the front portion 94 of the bezel portion 54 may include the integration of a rear seat entertainment module 99 and/or other types of radio station selection control and volume control.

Referring to FIGURES 7a-7c, the second latch mechanism 82 will now be described in further detail. In FIGURE 7a, the latch mechanism 82 includes a latch arm 100 rotatably mounted to the screen console 38 and integrally formed with a button portion 102 and an engagement portion 104. The engagement portion 104 is operably associated with a detent 106 positioned in the housing panel 80. When pressure is applied to the button portion 102, the latch arm rotates removing the engagement portion 104 from the detent 106 releasing the second latch mechanism 82 from the panel housing 80. The latch mechanism 82 also includes a retaining slot 108 integrally formed in the screen console 38. The retaining slot 108 is engageable with a corresponding retaining finger 110 integrally formed in the panel housing 80. When the engagement portion 104 of the latch arm 100 has been removed from the detent 106, the retaining slot 108 of the screen console 38 can be disengaged from the retaining finger 110, as shown in FIGURE 7b. This facilitates removal of the screen console 38 as shown in FIGURE 7c.

One of ordinary skill in the art will appreciate that several variations of this latch mechanism 82 can be used with equal success and, therefore, are within the scope of this disclosure. These include, but are not limited to, positioning the latch arm 100 horizontally with the engagement portion 104 engaging a detent 106 correspondingly positioned in the housing panel 80, and forming the latch mechanism 82 with the latch arm 100, the button portion 102, and engagement portion 104 such that an angle is formed with respect to the positioning of the rotatably mounted latch arm 100 and the engagement portion 104.

Referring to FIGURES 8a and 8b, a stand 112 is shown. The video display system 30 of the present invention can be removed from the housing 34 and operably

positioned within the stand 112. The stand 112 may include at least one speaker 114 and a power switch 116. The video display system 30 is releasably retained using the second latch mechanism 82 in the same manner as described above. The stand 112 includes a rear leg 118 rotatably attached to the stand 112, thereby providing support so that the video display system can be substantially vertically positioned for viewing. The stand
5 112 has a wiring harness connector 92 engageable with a wiring harness connector 93 positioned in the screen console 38 as described above providing the required power, audio, etc., connections necessary for operation.

Referring to FIGURE 9, the screen console 38 can also be positioned on a tuner
10 120 and operated either as a DVD player or as a screen for conventionally known TV and cable TV. The tuner also includes connectors for cable, audio, video, and power hookups, shown generally at 122. Additionally, the tuner includes speakers and audio and channel controls shown at 124 and 126.

Referring to Figure 10, there is shown a video display system 130 in accordance with
15 an alternative embodiment of the present invention. The video display system 130 comprises a liquid crystal display (LCD) screen 132 and a digital video disc (DVD) player 134 integrated in a single housing, referred to hereinafter as the LCD/DVD unit 136. The LCD/DVD unit 136 is removably coupled to a docking member 140, which is in turn pivotably connected to a console 142. The console 142 may be mounted in a number of
20 different areas but in this example is mounted to a headliner 144 of a motor vehicle interior 146. It will be appreciated immediately, however, that the apparatus 130 could just as easily be mounted to a floor console of the vehicle or even on the back of one of the front seats of

the vehicle. The apparatus 130 is not limited to automotive applications, and could easily be used within the cabin of a boat or aircraft if desired.

The LCD/DVD unit 136 includes a plurality of controls including a play switch 148, a rewind or search backward switch 150, a fast forward or search forward switch 152 and a
5 pause or still switch 154. A menu control switch assembly 156 enables menu functions to be selected on the display 132.

The compactness of the LCD/DVD unit 136 allows the unit to be readily mounted in a wide variety of areas of a vehicle where a television incorporating a conventional cathode ray tube (CRT) and associated video cassette player would be much to bulky to mount. The
10 entire apparatus 130 is also much lighter in weight, making to easier to secure in overhead areas of a vehicle interior, where a CRT might require significant modifications to the vehicle interior to support the greater weight of a CRT and video cassette player combination.

With further reference to Figures 10 and 11, the LCD/DVD unit 136 includes a
15 molded plastic housing 158. An upper portion 160 of the housing 158 includes an electrical connector (not shown) for coupling with a mating connector 162, shown in Figure 12, disposed within the docking member 140. The connectors enable power to be provided to the LCD/DVD unit 136. Connectors suitable for this purpose are of the "drawer" type and are commercially available from a wide variety of manufacturers, such as the AMP
20 Corporation.

With further reference to Figure 10, the console 142 includes a cavity or recess 164 sufficiently deep to hold the LCD/DVD unit 136 therein. A scalloped portion 166 provides

an access point where an individual can insert one or more fingers and pull the LCD/DVD unit 136 down into the position shown in Figure 10.

Referring to Figures 10 and 14, the docking member 140 is pivotably mounted to the console 142 at point 168 (Figure 15) on opposite sides of the console 142. The LCD/DVD unit 136 can be held in the closed position by any form of spring biased latch which engages within a recess or notch on the docking member 140 to hold the unit 136 up in the recess 164 once the docking member is urged into the closed position. Figure 5 also illustrates a power supply 170 for providing power to the LCD/DVD unit 136. The power supply 170 is shown attached to a rear surface 172 of the console 142, although it will be appreciated that this could just as easily be enclosed within a portion of the console 142. Figure 6 illustrates a slot 174 of the DVD player 176 which receives digital video discs for playback in the LCD/DVD unit 136.

With further reference to Figure 10, a spring loaded latch 178 is positioned on opposite sides of the housing 158 near the upper end 160 thereof. The latches permit the LCD/DVD unit 136 to be quickly detached from the docking member 140 when it is desired to remove the unit 136 from the vehicle. In this manner, the LCD/DVD unit 136 can be used outside the vehicle provided a suitable AC or DC power source is available.

The apparatus 130 of the present invention thus provides a compact means for playing back and viewing digital video discs. The light weight and compact configuration of the apparatus 130 enables it to be mounted at a variety of areas within a vehicle where it would be impossible or impractical to mount a television having a CRT and an associated videocassette player. The apparatus 130 is quickly and easily removable and light enough to be easily carried about and used outside of the vehicle within which its console is mounted.

For example, the apparatus 130 may be removed from the vehicle and placed in another docking station which is located externally of the vehicle. In addition, the apparatus 10 may include other features such as a television tuner and/or a cable adapter to enable television programs to be used.

5 While the above-described embodiments disclose using a liquid crystal display for the screen 40, it is specifically contemplated and, therefore, within the scope of this disclosure that other types of screens could be used with equal results, including, but not limited to, filled emission displays, organic light emitting diode displays, poly light emitting diode displays, etc.

10 The foregoing discussion discloses and describes a preferred embodiment of the present invention. One skilled in the art will readily recognize from such discussion, and from the accompanying drawings and claims, that various changes, modifications, and variations can be made therein without departure from the true spirit and fair scope of the invention as defined in the following claims.

We claim:

1. A video display system for a vehicle, said system comprising:
a housing;
a screen console having a screen and being moveably connected to said housing, said screen console being moveable between a first position and a second position;
and
a digital video disc player being substantially integrally positioned within one of said housing and said screen console and operably connected to said screen, wherein said screen is substantially concealable when said screen console is positioned in said first position and said screen is generally visible when said screen console is positioned in said second position.
2. The video display system of Claim 1 further comprising a latch mechanism positioned on one of said housing and said screen console, said latch mechanism being operable to releasably attach said screen console to said housing.
3. The video display system of Claim 1, wherein said screen console is pivotally attached to said housing.
4. The video display system of Claim 1, wherein said housing includes at least one audio connector.

5. The video display system of claim 1, wherein said housing includes at least one control panel operable to control the operation of said digital video disc player.

6. The video display system of Claim 1, wherein one of said housing and said screen console include an infrared receiver, said infrared receiver operable to receive a plurality of signals from a remote control device.

7. The video display system of Claim 1, wherein said digital video disc player is positioned substantially within said screen console and operably connected to said screen thereby forming a video player unit, said video player unit being releasably attached to said screen console.

8. The video display system of Claim 7, wherein said video player unit includes a remote power connector operable to receive power from a remote power source.

9. The video display system of Claim 7, wherein said video player unit includes a battery source.

10. The video display system of Claim 7, wherein said video player unit includes at least one audio connector.

11. The video display system of Claim 7, wherein said video player unit is operably connectable to a tuner, said tuner providing at least one of an antenna source, a cable television source, a video source, and a power source.

12. The video display system of Claim 11, wherein said tuner includes at least one speaker operably connectable to said screen.

13. The video display system of Claim 7, wherein said video player unit includes an infrared receiver, said infrared receiver operable to receive a plurality of signals from a remote control device.

14. The video display system of Claim 7, wherein said housing includes a bezel.

15. The video display system of Claim 14, wherein said bezel includes at least one light and at least one control device operably associated with said at least one light.

16. The video display system of Claim 14, wherein said bezel includes at least one climate control device.

17. The video display system of Claim 7, wherein said video player unit is operably connectable to a stand.

18. The video display system of Claim 17, wherein said stand includes at least one speaker operably connectable to said video player unit.

19. The video display system of Claim 17, wherein said stand includes a stand body and a stand leg, said stand leg be moveably attached to said stand body.

20. The video display system of Claim 19, wherein said stand leg is moveably attached to said stand body by a constant force hinge.

21. The video display system of Claim 19, further comprising a stop screw positioned substantially within said stand body, said stop screw operably engageable with said stand leg thereby limiting movement of said stand leg.

22. The video display system of Claim 17, wherein said stand includes at least one control panel operably connectable to said video player unit.

23. The video display system of Claim 7, wherein said video player unit includes a latch mechanism operable to releasably retain said video player unit to said housing.

24. The video display system of Claim 23, wherein said latch mechanism includes a release button having a first end, said first end of said release button being pivotally attached to said video player unit.

25. The video display system of Claim 24, said release button having a second end, wherein said second end of said release button is operably engageable with said screen console as said second end of said release button pivots about said first end of said release button.

26. The video display system of Claim 23, wherein said latch mechanism includes at least one tab and at least one slot, said at least one tab being engageable with said at least one slot, one of said at least one tab and said at least one slot being formed on said video player unit and one of said at least one tab and said at least one slot being formed on said screen console.

27. The video display system of Claim 1, wherein said screen is a liquid crystal display.

28. The video display system of Claim 7, wherein said bezel includes a rear seat entertainment module.

29. The video display system of Claim 7, wherein said screen and said digital video disc player are positioned substantially parallel relative to each other such that said screen and said digital video disc player move through a substantially similar motion path as said screen console moves between said first position and said second position.

30. The video display system of Claim 7, wherein said screen console includes a rechargeable battery substantially integrated within said screen console.

31. The video display system of Claim 7, wherein said screen console includes an infrared transmitter and an infrared receiver, said infrared transmitter being operable to transmit a plurality of signals to a remotely located device and said infrared receiver being operable to receive a plurality of signals from a remote control device.

32. The video display system of Claim 1, wherein said digital video disc player is positioned substantially within said screen console and operably connected to said screen thereby forming a video player unit.

33. The video display system of Claim 32, wherein said screen and said digital video disc player are positioned substantially parallel relative to each other such that said screen and said digital video disc player move through a substantially similar path as said screen console moves between said first position and said second position.

34. The video display system of Claim 1, wherein one of said housing and said screen console include an infrared transmitter, said infrared transmitter operable to transmit a plurality of signals to a remotely located device.

35. A video display system for a vehicle, said system comprising:
a housing;
a housing panel moveably connected to said housing;
a screen console having a screen and a digital video disc player
5 operably connected to said screen, each of said screen and said digital video disc player
being integrally positioned substantially within said screen console.

36. The video display system of Claim 35, wherein said screen console is
releasably attached to said housing panel.

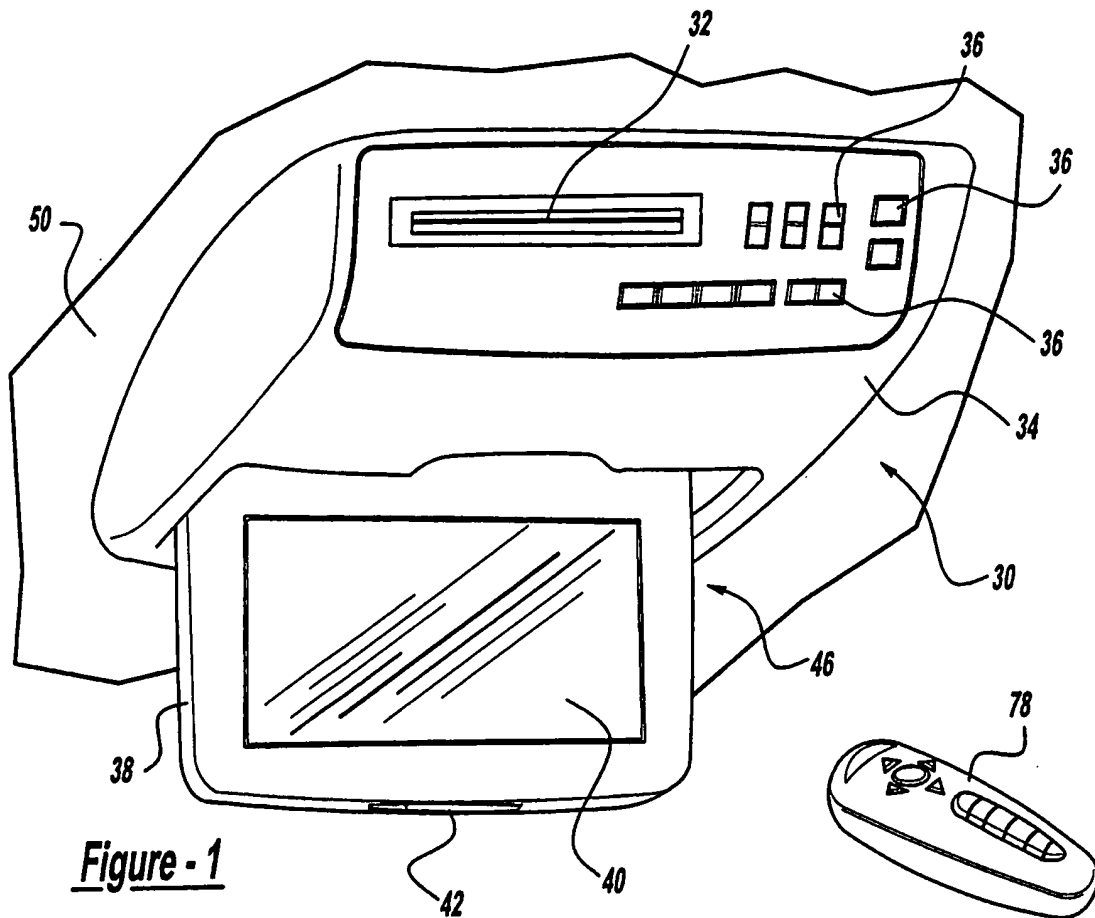


Figure - 1

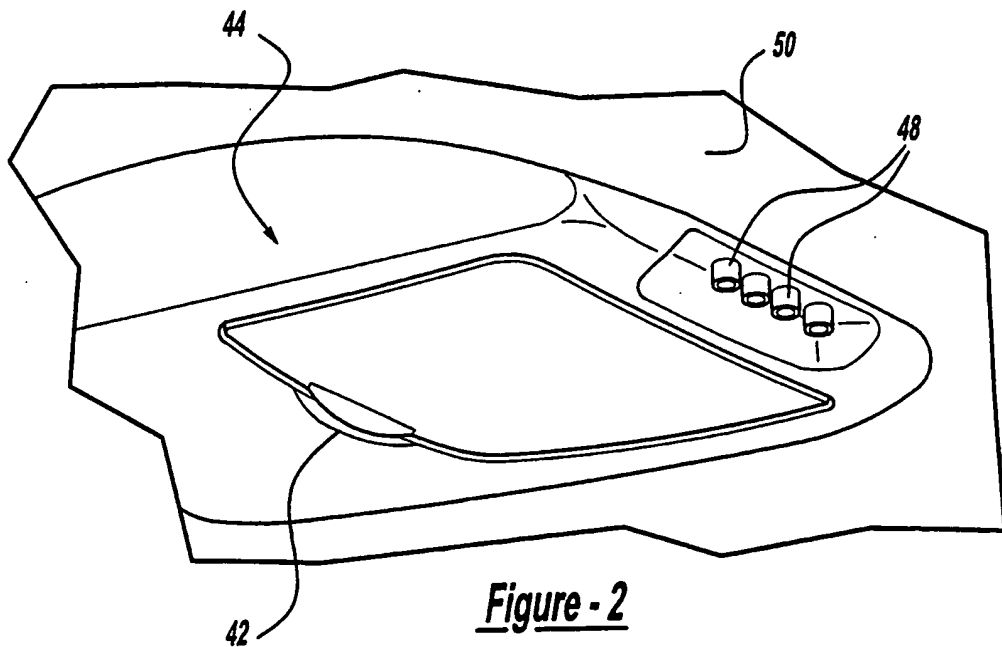
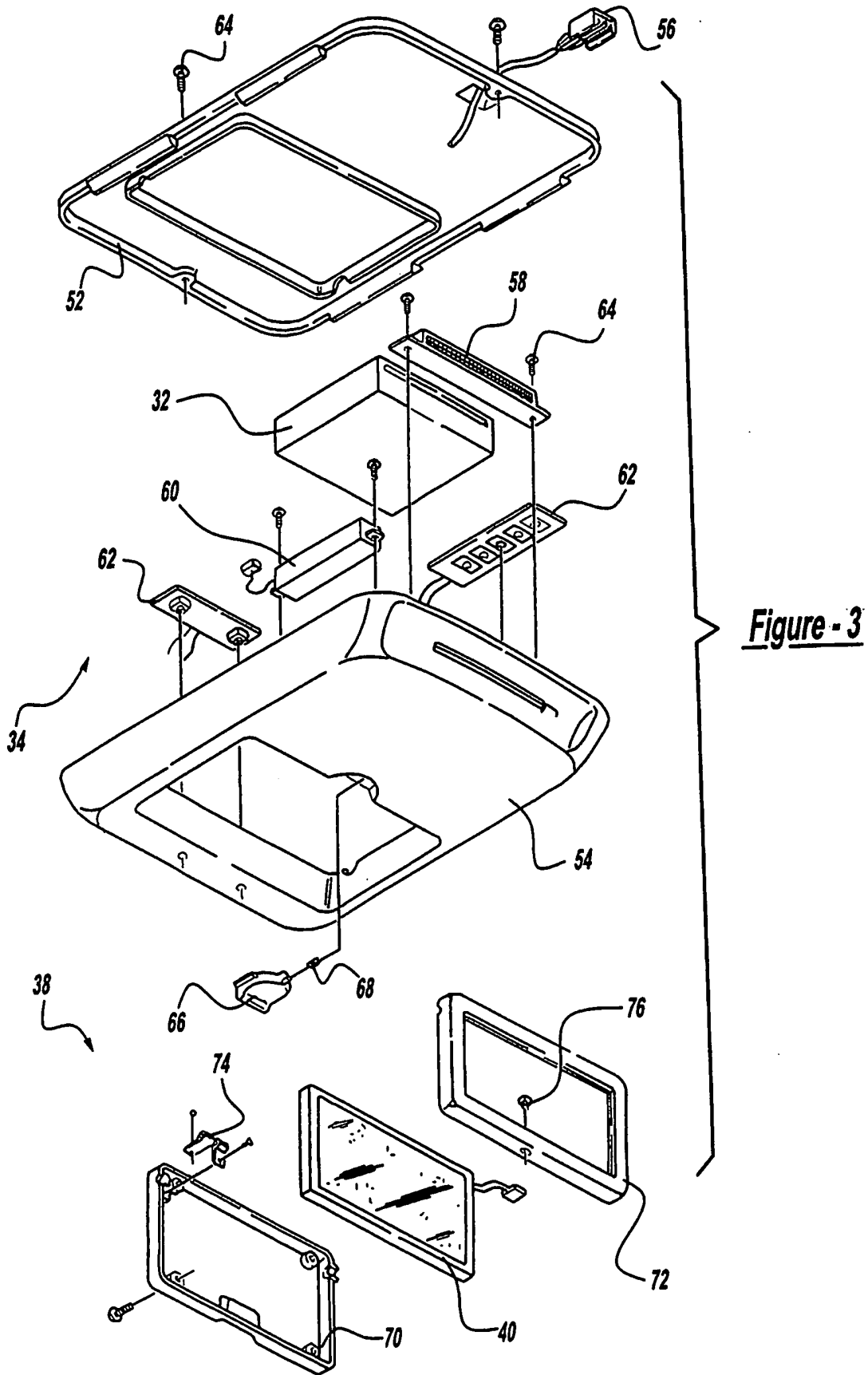


Figure - 2



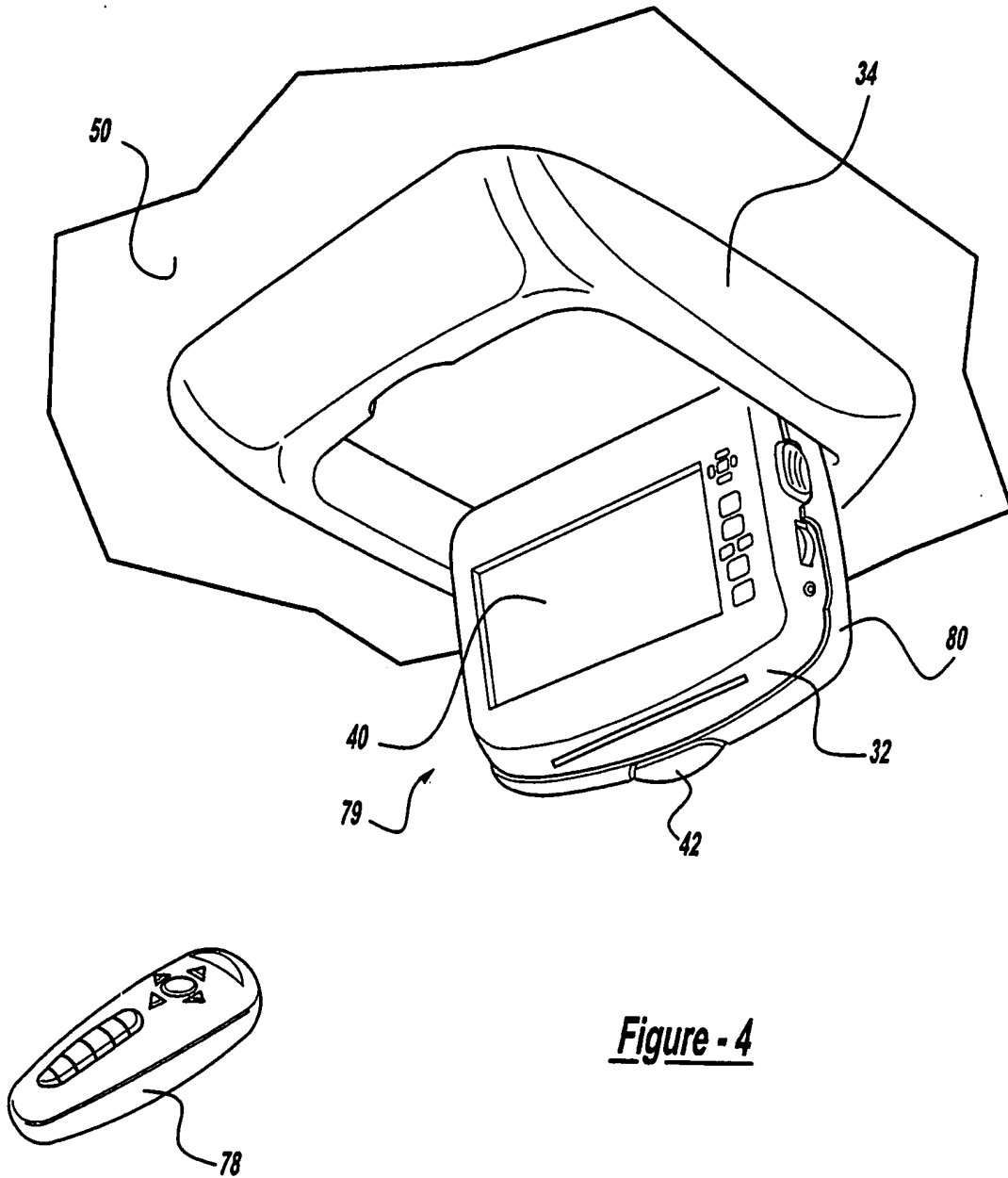
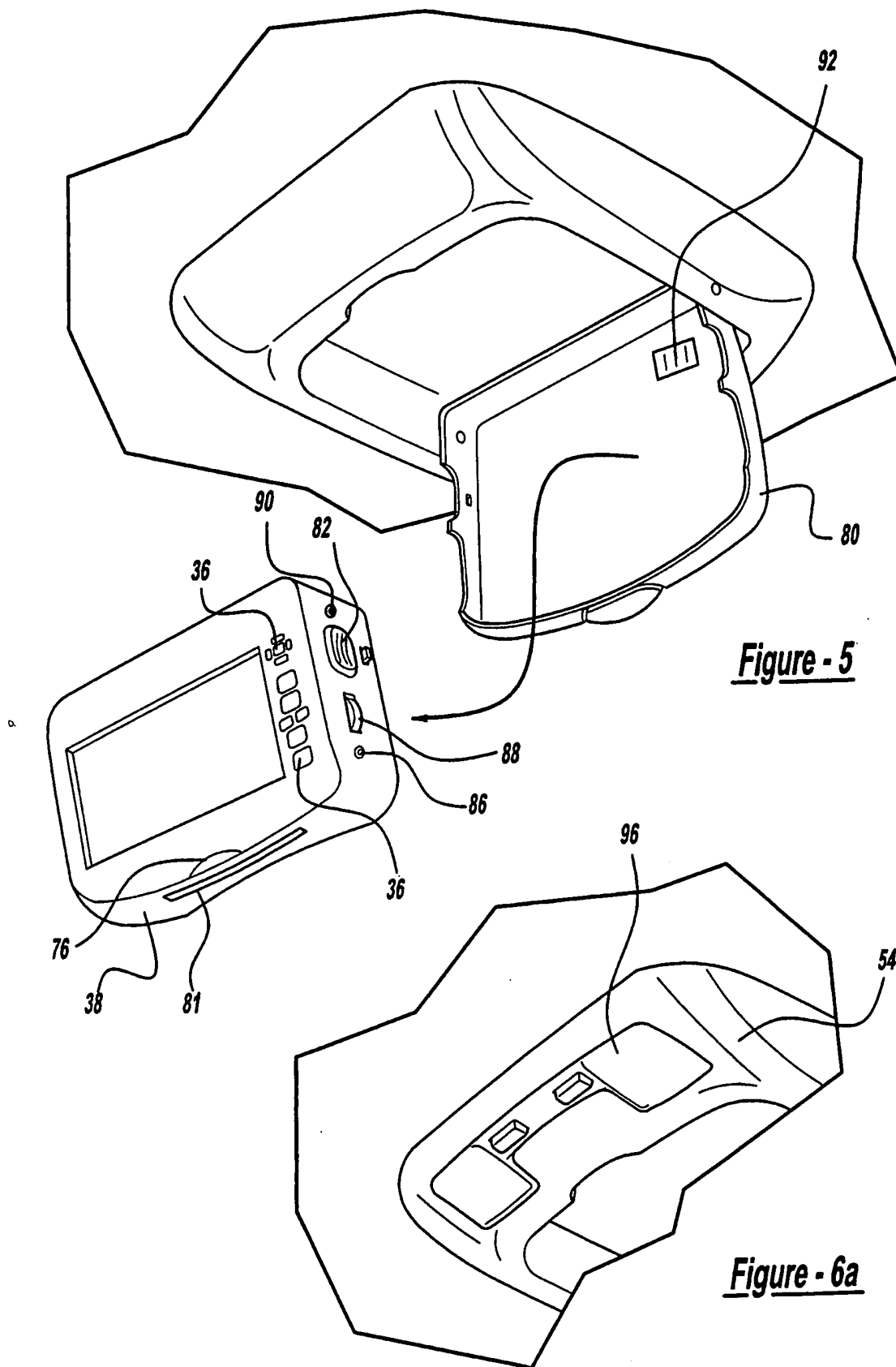


Figure - 4



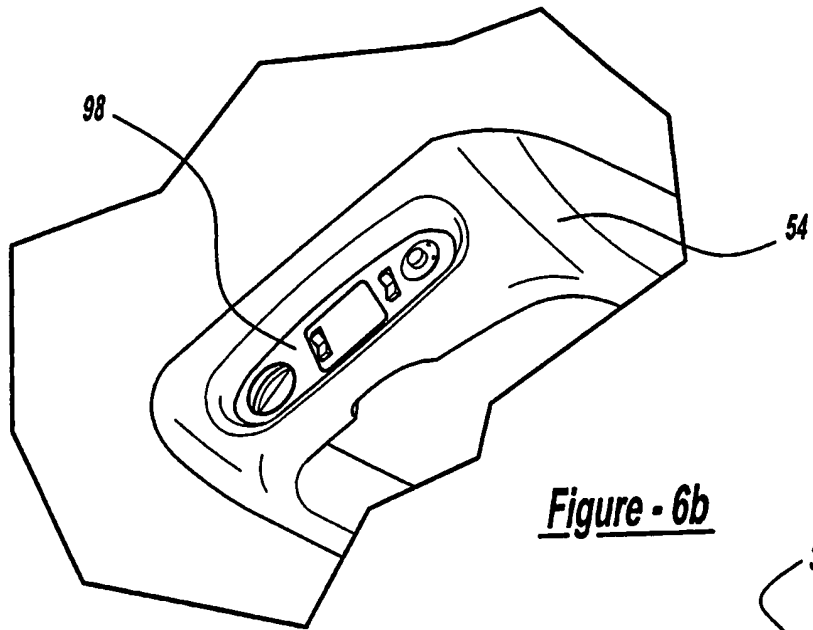


Figure - 6b

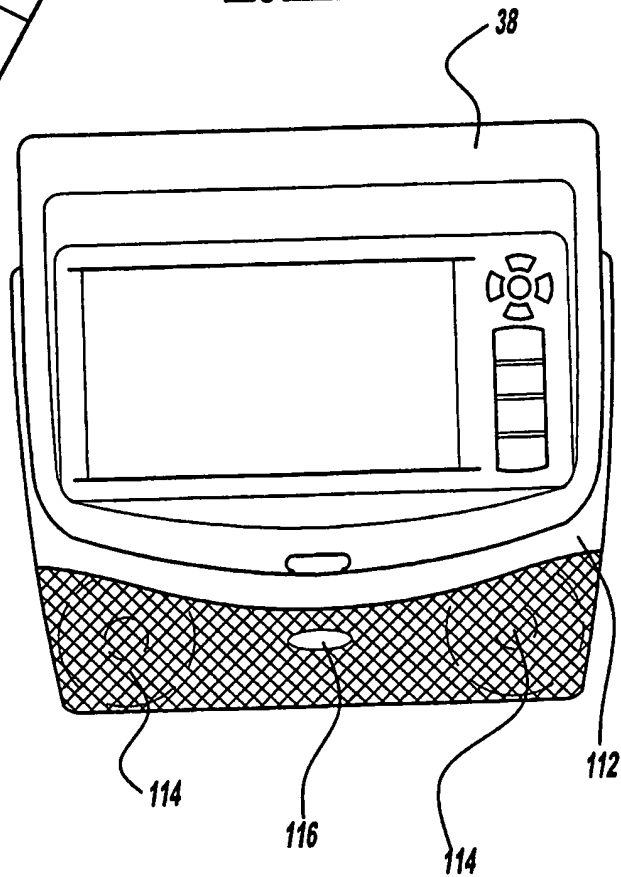


Figure - 8a

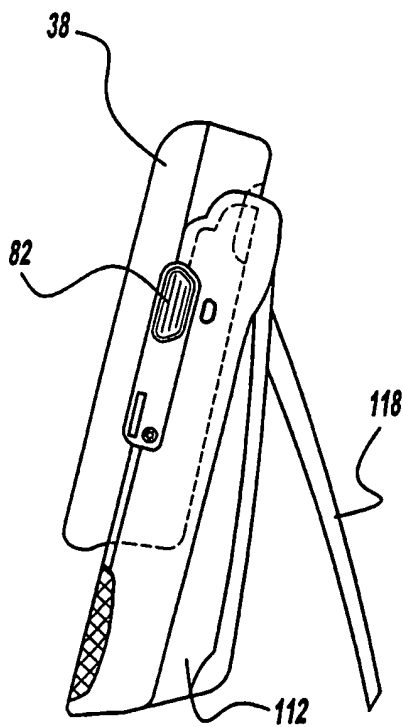


Figure - 8b

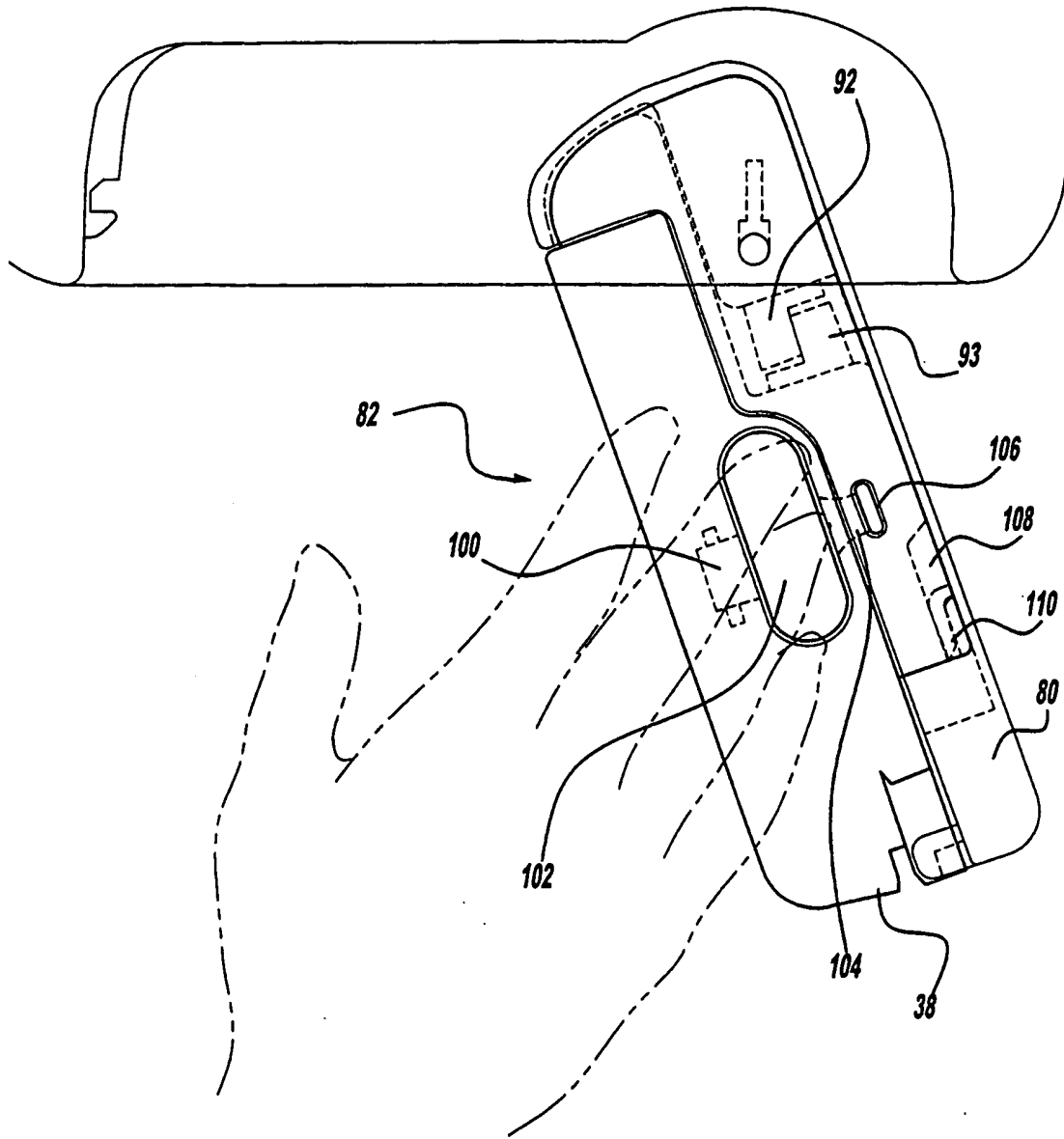


Figure - 7a

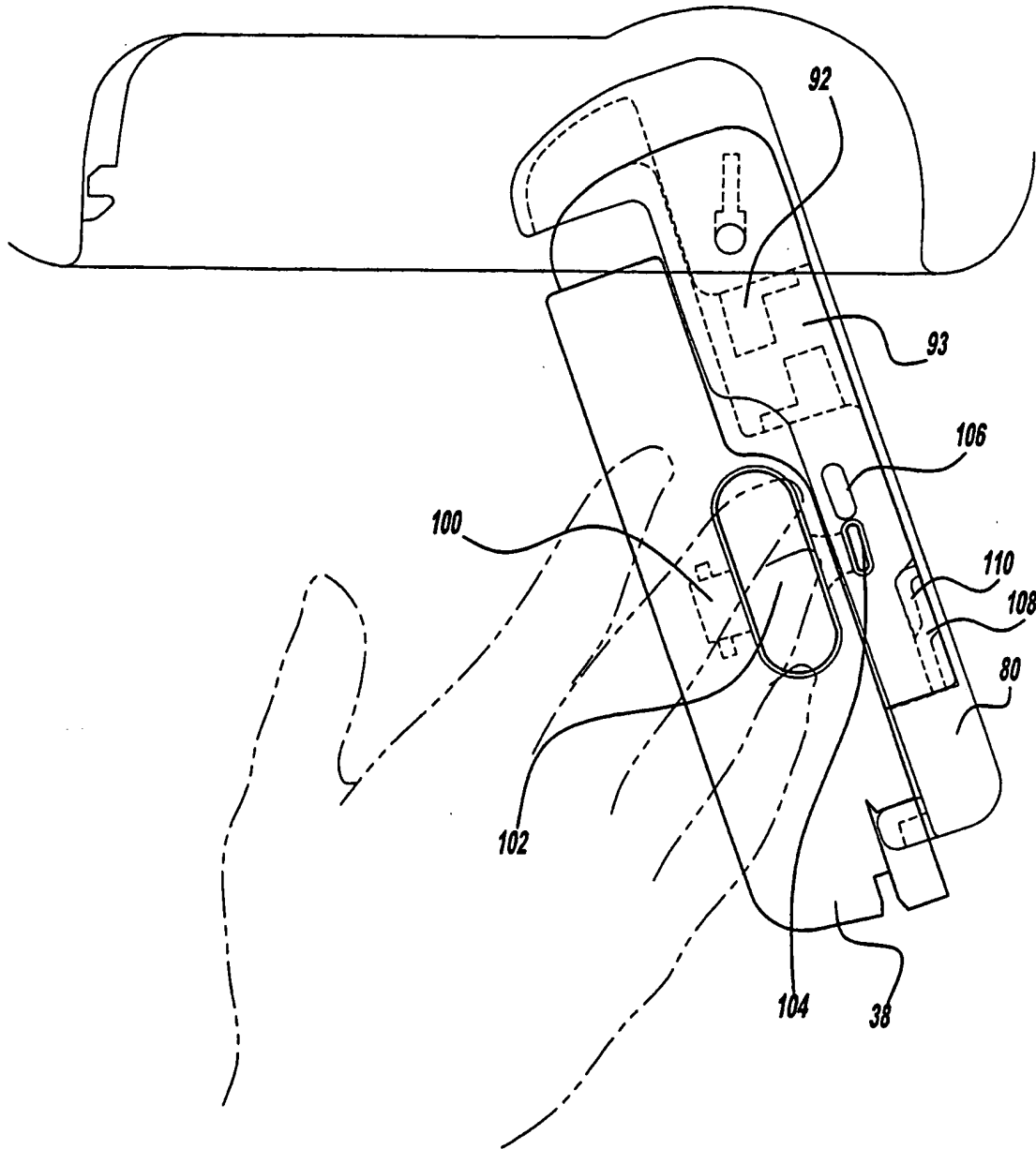


Figure - 7b

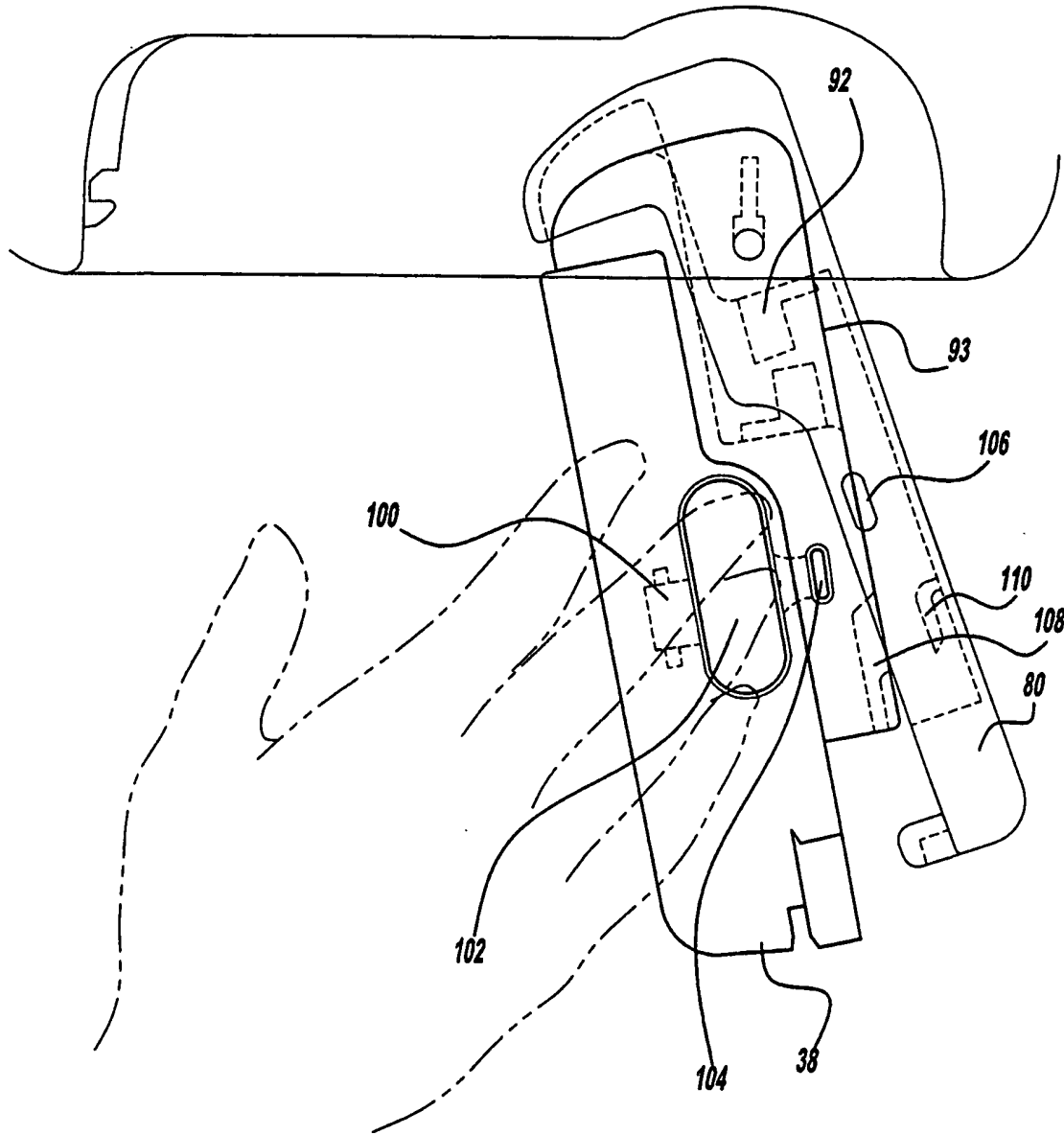


Figure - 7c

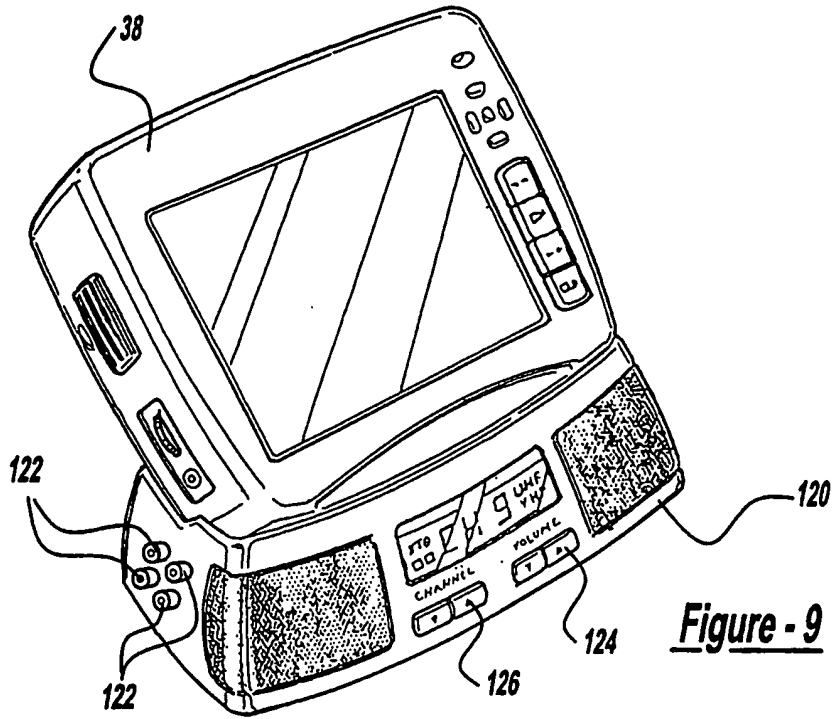


Figure - 9

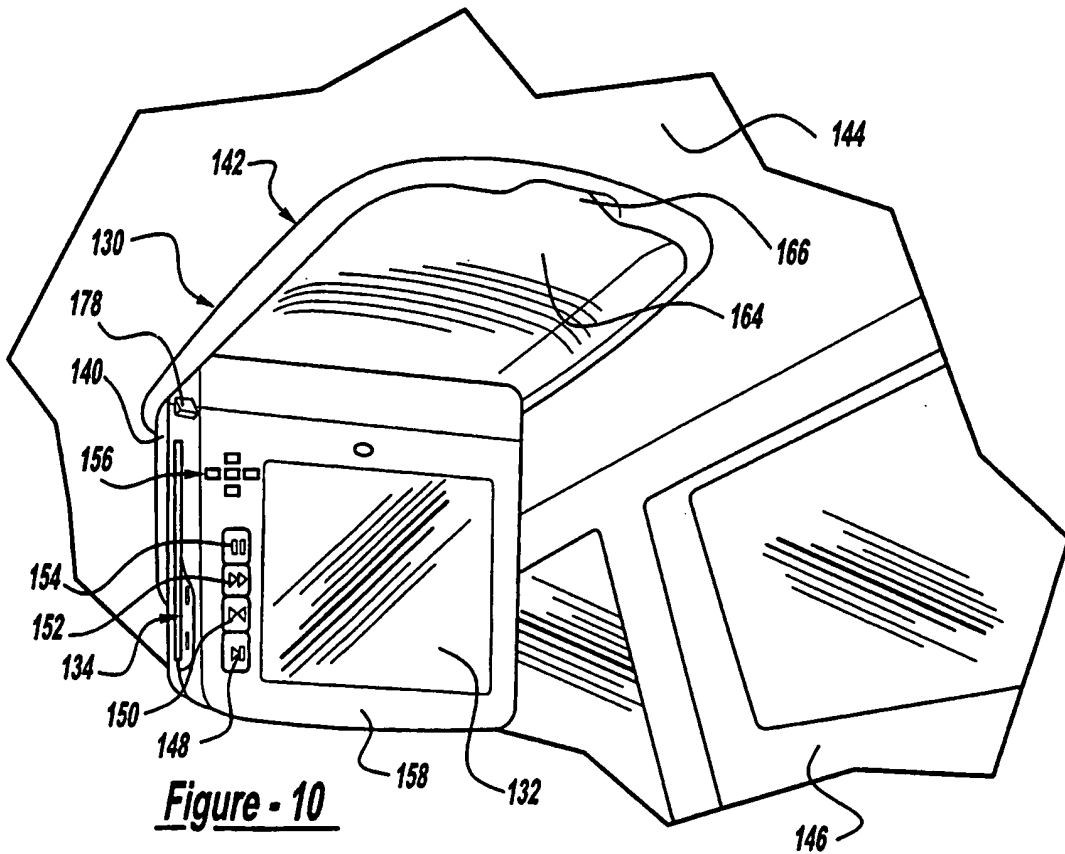


Figure - 10

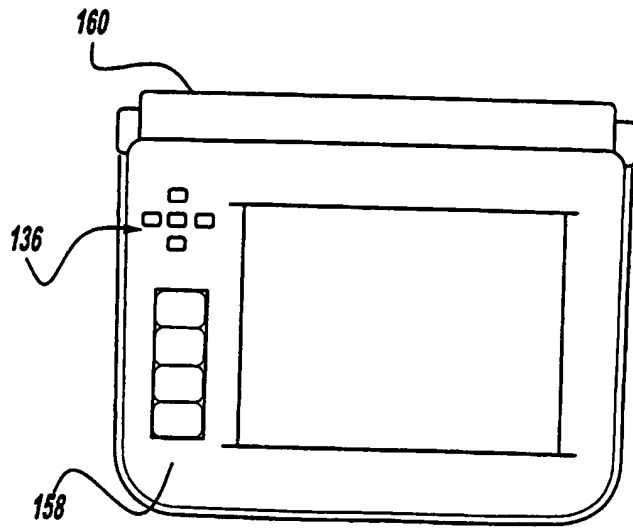


Figure - 11

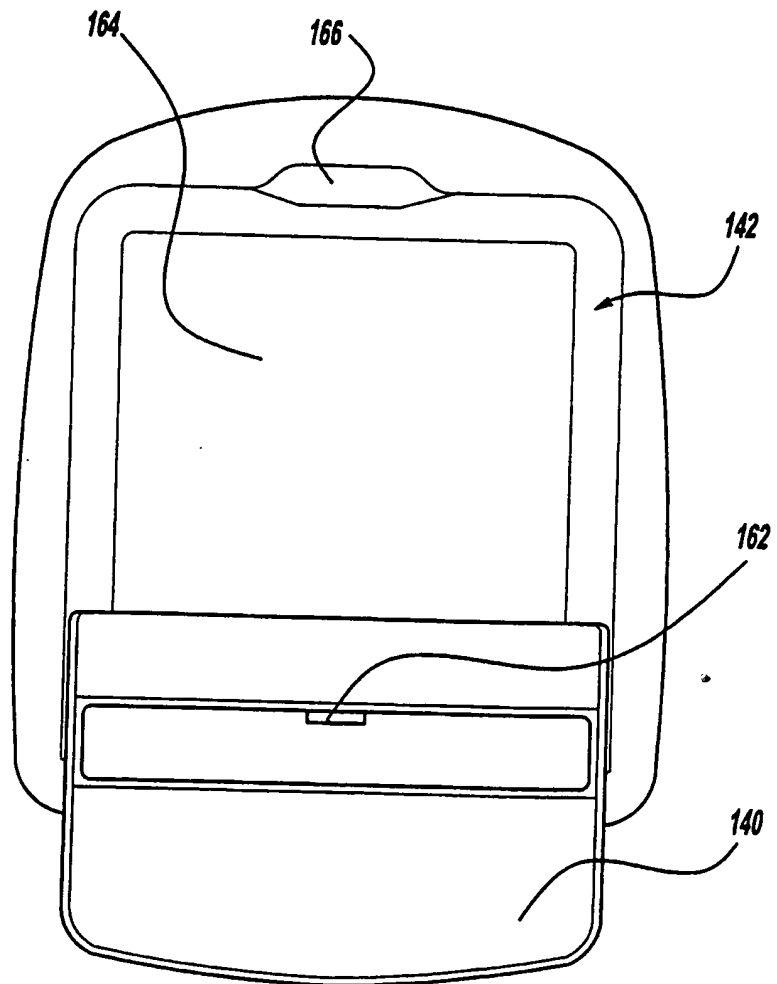


Figure - 12

Figure - 13

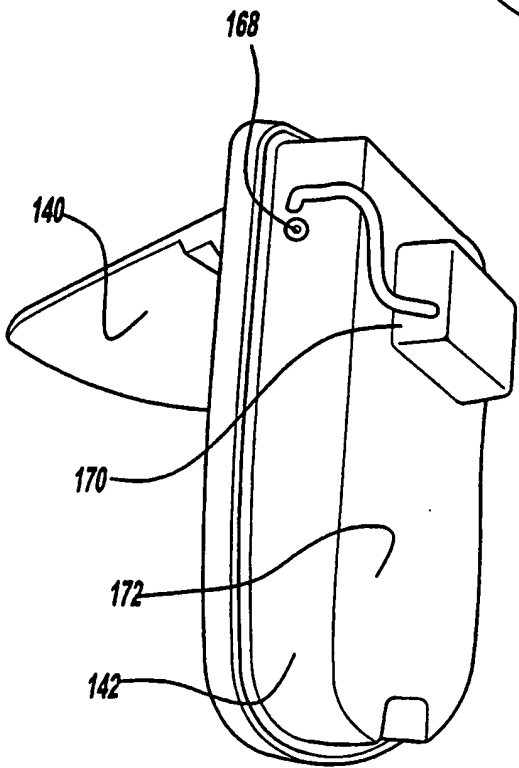
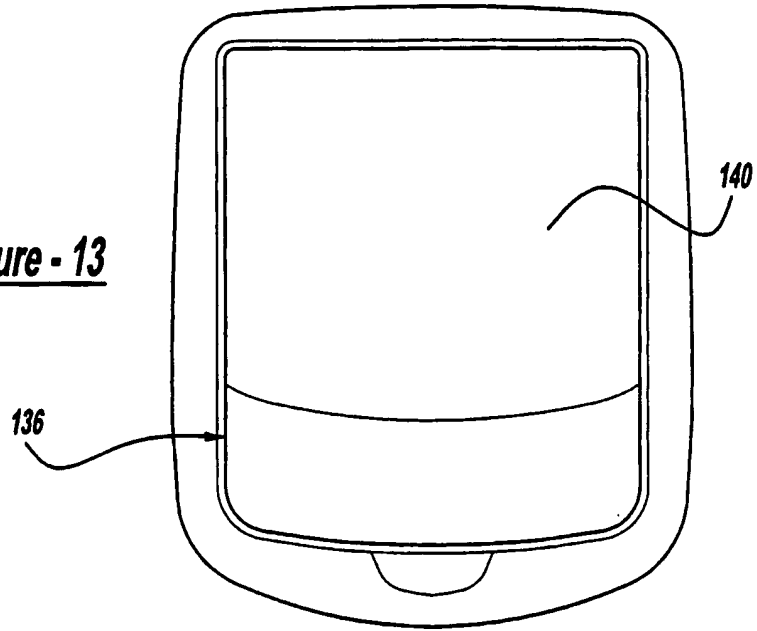
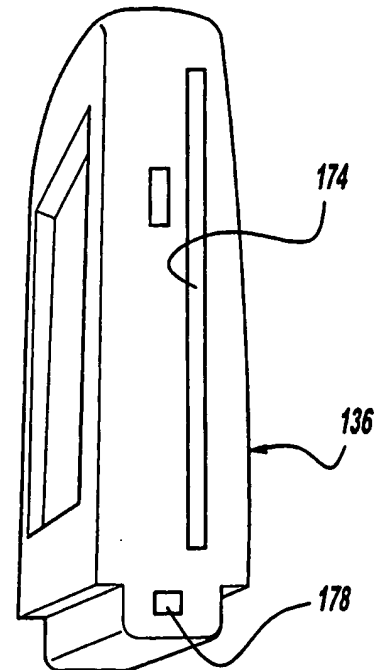


Figure - 14

Figure - 15



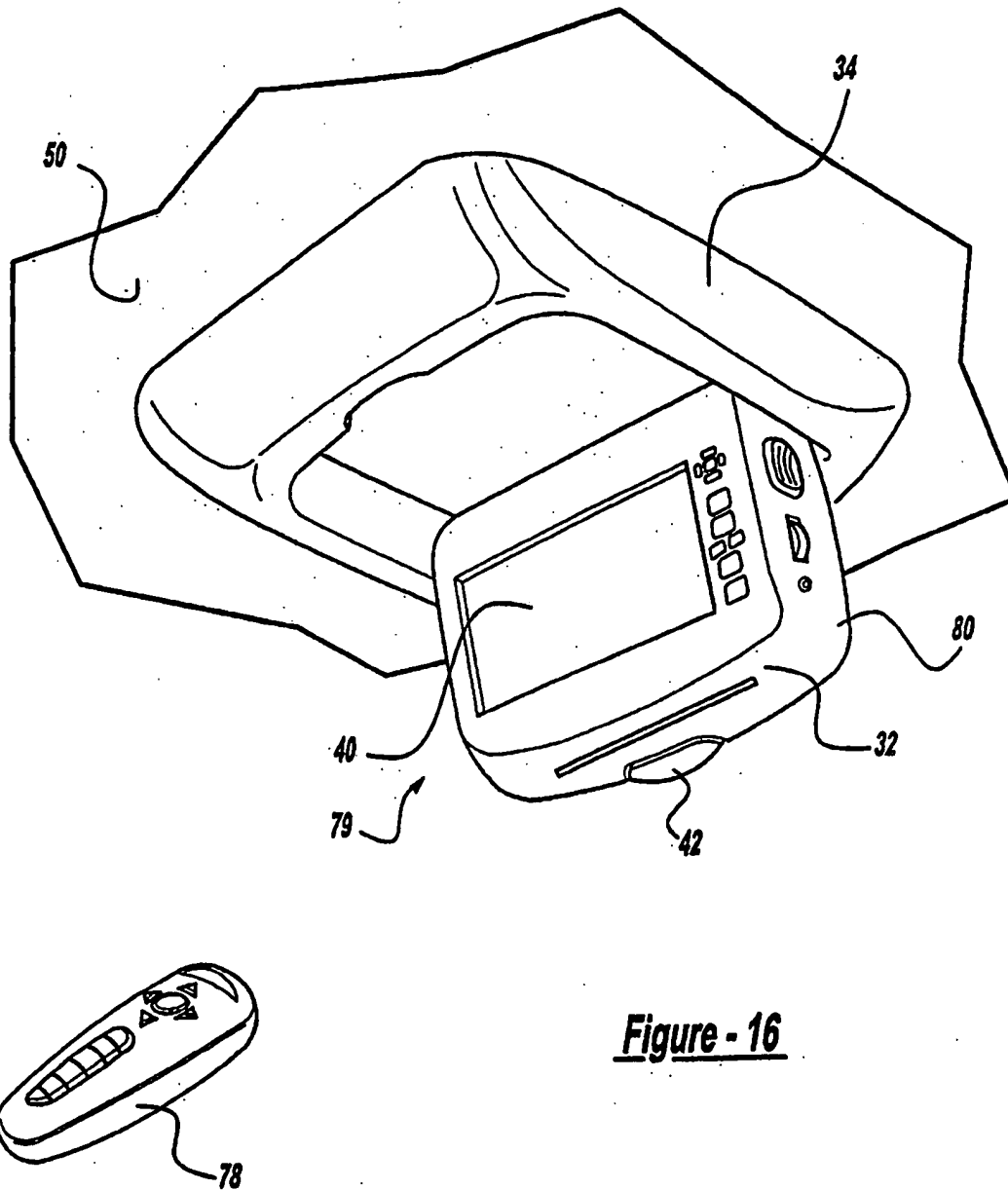


Figure - 16

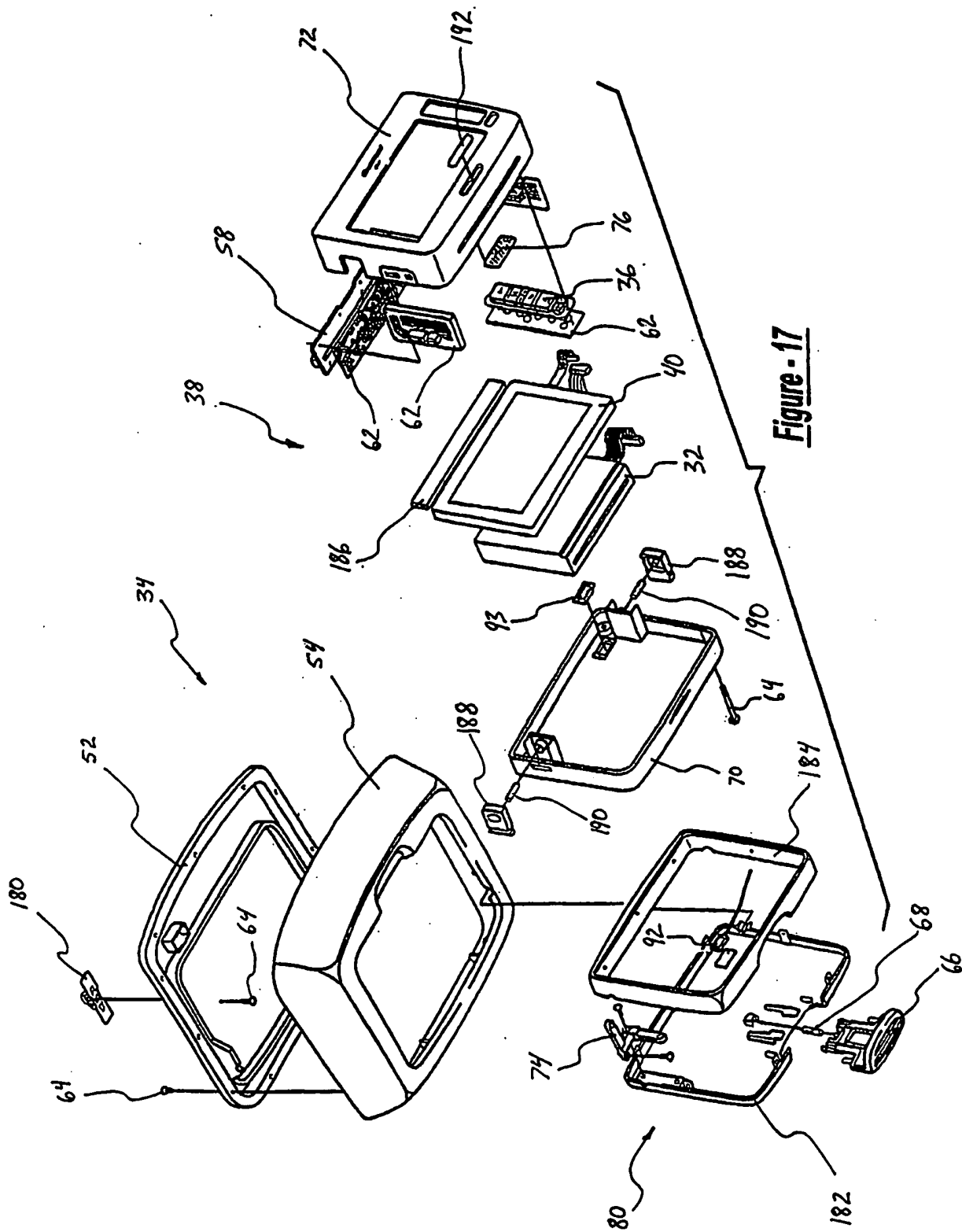


Figure - 17

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/30993

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60R11/02		
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 B60R		
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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 775 762 A (VITITO CHRISTOPHER J) 7 July 1998 (1998-07-07)	1-5, 27
Y	figures	10-12
A	abstract column 3, line 1 - column 5, line 14	7, 35
Y	DE 44 06 872 A (PRINCE CORP) 8 September 1994 (1994-09-08)	10-12
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) & JP 09 286283 A (AISIN AW CO LTD), 4 November 1997 (1997-11-04)	1, 2, 4, 7, 10, 17, 23, 27, 29, 32, 33, 35, 36
A	abstract	3
	-/--	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> 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. 'A' document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
12 May 2000		19/05/2000
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer D'sylva, C

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/30993

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02, 28 February 1997 (1997-02-28) & JP 08 282391 A (FUJITSU TEN LTD), 29 October 1996 (1996-10-29) abstract	1-3,5,27
A	-----	7,32,35
P,X	US 5 927 784 A (VITITO CHRISTOPHER J) 27 July 1999 (1999-07-27) figures abstract column 3, line 17 -column 6, line 24	1-6
P,X	WO 99 00976 A (ROSEN JOHN B) 7 January 1999 (1999-01-07) figures abstract page 5, line 1 -page 10, line 15	1-4,27

1

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT
 Information on patent family members

International Application No
PCT/US 99/30993

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5775762 A	07-07-1998	US 5927784 A	27-07-1999
DE 4406872 A	08-09-1994	US 5822023 A GB 2276059 A,B JP 7025289 A	13-10-1998 14-09-1994 27-01-1995
JP 09286283 A	04-11-1997	NONE	
JP 08282391 A	29-10-1996	JP 2935646 B	16-08-1999
US 5927784 A	27-07-1999	US 5775762 A	07-07-1998
WO 9900976 A	07-01-1999	US 5946055 A AU 8266898 A	31-08-1999 19-01-1999

Form PCT/ISA/210 (patent family annex) (July 1992)

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.

PATENT APPLICATION FEE DETERMINATION RECORD
 Substitute for Form PTO-875

Application of Docket Number
10/438724

CLAIMS AS FILED - PART I

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	minus 20 =	
INDEPENDENT CLAIMS (37 CFR 1.16(b))	minus 3 =	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

SMALL ENTITY

RATE	FEE
	\$ _____
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL	

OTHER THAN SMALL ENTITY

RATE	FEE
	\$ _____
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL	

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

CLAIMS AS AMENDED - PART II

9-19-06

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))	23	23	=
Independent (37 CFR 1.16(b))	5	5	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ _____ =	
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+ \$ _____ =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))			=
Independent (37 CFR 1.16(b))			=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

SMALL ENTITY

RATE	ADDITIONAL FEE
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X \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))			=
Independent (37 CFR 1.16(b))			=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ _____ =	
X \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L 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.

This collection of information is required by 37 CFR 1.16. 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. 172 and 37 CFR 1.14. This collection is estimated to take 12 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 1-855-PTO-9199 and select option 2.



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 NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/438,724	05/15/2003	George C. Schedivy	8002A-80	6312

22150 7590 06/05/2006
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

PATEL, NITIN

ART UNIT PAPER NUMBER

2629

DATE MAILED: 06/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/438,724	Applicant(s) SCHEDIVY, GEORGE C.	
	Examiner Nitin Patel	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

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 23 March 2006.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) 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

- 4) Claim(s) 1-23 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-23 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ 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).
- 11) 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

- 12) 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) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2-20-04
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang (U.S. patent No. 7,044,546).

As per claims 1,9,22,23 Chang shows a video system comprising (In fig.1 element 10 and In col.4 lines 51-55): a base unit coupled to headrest support structure located within a headrest of a vehicle seat (in col.5 lines 1-14), wherein the base unit comprises a media player (in col.5 lines 44-51); and a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player (in fig.4, 5a, 5b and In col.4 lines 63-67to col.5 lines 1-35).

As per claims 2,10 Chang shows video system with a headrest further comprising a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit (in fig.2b) and at least portion of the docking station is disposed within the headrest and is directly coupled to the headrest support structure (in fig.3a).

Art Unit: 2629

As per claims 3-5,11-13 Chang teaches the video system is a clamshell-type device and a hinge and a wireless transmitter positioned on the door (in col.5 lines 20-35 and in col.5 lines 55-67).

As per claims 6,7,14,15 Chang shows display further comprising a port for connecting to an external device (in fig.2b element 52).

As per claim 8,16 Chang shows the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array (In col.5 lines 40-43).

As per claim 17, Chang shows a docking station adapted to secure a portable video system comprising: a means for securing the docking station to an internal headrest support structure located within a headrest of a vehicle seat wherein at least a portion of the docking station is disposed within the headrest (in fig.7a and 7b and in fig.8 by disconnecting with a bus unit via element 52 a connector); a means for securing the portable video system to the docking station; and a pin array for providing power to a secured portable video system(In col.5 lines 40-44).

As per claim 18, Chang also teaches the pin array carries a signal between the secured removable video unit and an external device (in fig.8 element 48 a connector sensing signals via cable).

As per claim 19, Chang shows the signal is one of an audio signal and a video signal (In col.6 lines 1-10).

As per claim 20, Chang shows a cover is secured to the docking station in the absence of the portable video system (In fig.12 and 13).

As per claim 21, Chang shows a slot for receiving a data media is positioned on a side of the door (in fig.13 element 144).

Double Patenting

3. Claims 1-23 provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-45 of copending Application No. US 20040227696. Although the conflicting claims are not identical, they are not patentably distinct from each other because.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claims 1-23 are rejected in view of Schedivy (US 20040227696) application claims 1-45.

Claims 1-23 is rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-45 of US 2004/0227696 A1.

As per claim 1, Schedivy disclose a base unit coupled to a headrest support (in claim 1 of Schedivy, a base portion) and headrest of a vehicle seat wherein the base unit comprise a media player with a door pivotally connected to the base (in claim 1 of Schedivy).

As per claims 2, see claim 3 of Schedivy.

As per claim 3-8, see claims 2,4-15 of Schedivy.

As per claim 9, see claim 1 of Schedivy.

As per claims 10-23 see claims of Schedivy patent claims.

Response to Arguments

4. Applicant's arguments with respect to claims 1-23 have been considered but are moot in view of the new ground(s) of rejection.

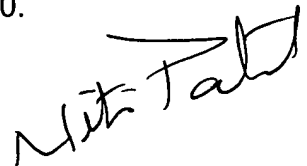
Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

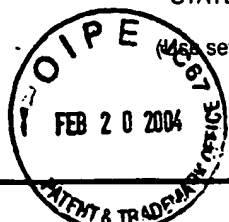
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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.

Nitin Patel
Examiner
Art Unit 2629



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MS</i>	D438,853	3/13/01	Iino	D14	136	
	4,756,528	7/12/88	Umashankar	273	1	
	4,843,477	6/27/89	Mizutani et al.	358	248	
	5,555,466	9/10/96	Scribner et al.	348	8	
	5,949,345	9/7/99	Beckert et al.	340	815.41	
	6,409,242	6/25/02	Chang	296	37.7	

FOREIGN PATENT DOCUMENTS

	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO
<i>MS</i>	2 829 980	3/28/03	France	B60R	11/02		X
	WO 03/029050 A1	4/10/03	PCT	B60R	11/02	X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>MS</i>	DATE CONSIDERED 7-25-06
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>nr</i>	2003/0137584 A1	7/24/03	Norvell et al.	348	61	
	2003/0184137 A1	10/2/03	Jost	297	219.1	

FOREIGN PATENT DOCUMENTS

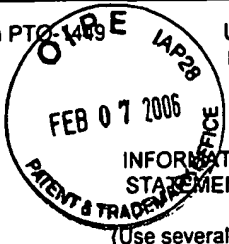
	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>nr</i>	DATE CONSIDERED 7-25-06
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

Form PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NSP	4,681,366	7/21/87	Lobanoff	297	191	11/6/85
	6,871,356	3/22/05	Chang	725	75	2/7/03
	6,669,285	12/30/03	Park et al.	297	217.3	7/2/02

FOREIGN PATENT DOCUMENTS

	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO
NSP	WO 02/074577 A1	9/26/02	PCT	B60N	2/48	X	
	2001-047921	2/20/01	Japan	B60N	3/00	X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER NSP	DATE CONSIDERED 7-25-06
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

Notice of References Cited	Application/Control No. 10/438,724	Applicant(s)/Patent Under Reexamination SCHEDIVY, GEORGE C.	
	Examiner Nitin Patel	Art Unit 2629	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2004/0227696	11-2004	Schedivy, George C.	345/007
*	B	US-7,044,546	05-2006	Chang, Chung L.	297/217.3
*	C	US-D515,522	02-2006	Vitito, Christopher J.	D14/126
*	D	US-2003/0137584	07-2003	Norvell et al.	348/61
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	F	US-			
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FOREIGN PATENT DOCUMENTS

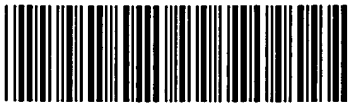
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	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.

Index of Claims



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2629

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date			
Final	Original				
	1	5/23/06			
	2	✓			
	3	✓			
	4	✓			
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PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number

10438724

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20= *	
INDEPENDENT CLAIMS	minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT	<input type="checkbox"/>	

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

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BASIC FEE	370.00
X\$ 9=	
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+140=	
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RATE	FEE
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X\$18=	
X84=	
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* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

3/23/04

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
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	Independent *	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
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RATE	ADDITIONAL FEE
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X84=	
+280=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
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	Independent *	Minus ***	=
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X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total *	Minus **	=
	Independent *	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

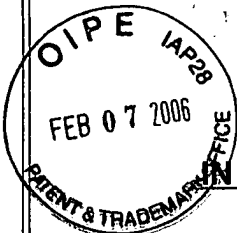
RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

* 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.



IFW 2673/14

Attorney Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): George C. Schedivy Examiner: Nitin Patel
SERIAL NO.: 10/438,724 Group Art Unit: 2673
FILED: May 15, 2003 Dated: February 3, 2006
FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT TRANSMITTAL FORM

Sir:

Transmitted herewith is an amendment in the above-identified application.

- [] Small entity status of this application under 37 C.F.R. §§1.9 and 1.27 has been established by a verified statement previously submitted.
[] A verified statement to establish small entity under 37 C.F.R. §§1.9 and 1.27 is enclosed.
[] No additional fee is required.

Table with 8 columns: For, Claims Remaining After Amendment, Highest No. Previously Paid For, Present Extra, Rate (Small Entity), Addit. Fee, Rate, Addit. Fee. Rows include TOTAL CLAIMS, INDEPENDENT CLAIMS, and First Presentation of Multiple Dep. Claim.

* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.
** If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 3, 2006.

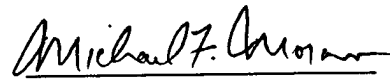
Dated: February 3, 2006

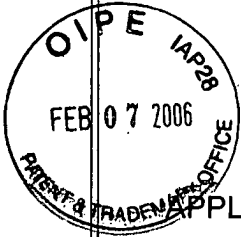
Michael F. Morano
Michael F. Morano

- Please charge Deposit Account No. 50-0679 in the amount of \$____. Two (2) copies of this sheet are enclosed.
- The amount of \$ 550.00 is authorized to be charged to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §§1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Respectfully submitted,

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Michael F. Morano
Reg No. 44,952
Attorney for Applicant(s)



8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: George C. Schedivy EXAMINER: Nitin Patel
SERIAL NO.: 10/438,724 GROUP ART UNIT: 2673
FILED: May 15, 2003
FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION

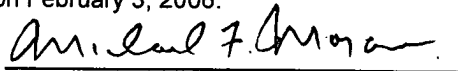
Sir:

This Amendment is submitted in response to the October 4, 2005 Office Action issued by the United States Patent and Trademark Office in connection with the above-identified application. A response to the October 4, 2005 Office Action was due on January 4, 2006. A Petition For Extension Of Time and the appropriate fee are submitted herewith to extend the response period for one (1) month to February 6, 2006.

CERTIFICATE OF MAILING 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 3, 2006.

Dated: February 3, 2006


Michael F. Morano

02/08/2006 HDESTA1 00000003 10438724

01 FC:1201
02 FC:1202

400.00 DP
150.00 DP

Please amend the subject application as follows:

IN THE CLAIMS:

Please accept amended claims 1, 2, 5 and 17 and new claims 21-23 as follows:

1. (currently amended) A video system comprising:

a base unit coupled to ~~an internal~~ a headrest support structure located within a headrest of a vehicle seat, wherein the base unit comprises a media player; and
a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player.

2. (currently amended) The video system of claim 1, further comprising a docking station disposed between the base unit and the ~~internal~~ headrest support structure, for selectively coupling the video system to the ~~internal~~ headrest support structure, wherein:

the video system can be selectively un-coupled from the base unit; and at least a portion of the docking station is disposed within the headrest and is directly coupled to the headrest support structure.

3. (original) The video system of claim 1, wherein the video system is a clamshell-type device.

4. (original) The video system of claim 1, wherein the hinge is a swivel-hinge.

5. (currently amended) The video system of claim 1, further comprising a wireless transmitter positioned on the door.

6. (original) The video system of claim 1, further comprising a port for connecting to an external device.

7. (original) The video system of claim 2, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

8. (original) The video system of claim 2, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

9. (original) A video system comprising:
a base unit coupled to an internal headrest support structure; and
a door pivotally connected to the base unit by a hinge, the door comprising a display and a media player.

10. (original) The video system of claim 9, further comprising a docking station disposed between the base unit and the internal headrest support structure,

for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

11. (original) The video system of claim 9, wherein the video system is a slot-type device.

12. (original) The video system of claim 9, further comprising a wireless transmitter.

13. (original) The video system of claim 9, wherein the hinge is a swivel-hinge.

14. (original) The video system of claim 9, further comprising a port for connecting to an external device.

15. (original) The video system of claim 10, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

16. (original) The video system of claim 10, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

17. (currently amended) A docking station adapted to secure a portable video system comprising:

a means for securing the docking station to ~~an internal~~ a headrest support structure located within a headrest of a vehicle seat, wherein at least a portion of the docking station is disposed within the headrest;

a means for securing the portable video system to the docking station; and
a pin array for providing power to a secured portable video system.

18. (original) The docking station of claim 17, wherein the pin array carries a signal between the secured removable video unit and an external device.

19. (original) The docking station of claim 18, wherein the signal is one of an audio signal and a video signal.

20. (original) The base unit of claim 17, wherein a cover is secured to the docking station in the absence of the portable video system.

21. (new) The video system of claim 11, wherein a slot for receiving a data media is positioned on a side of the door.

22. (new) A video system comprising:

a display mounted to a headrest of a vehicle seat, wherein the display is pivotally coupled to a headrest support element, the headrest support element

extending inside and outside of the headrest.

23. (new) A video system comprising:

a base portion positioned in a headrest of a vehicle seat, wherein the base portion accommodates a media player and a display pivotally connected to the base portion.

REMARKS

Claims 1-20 are pending in this application.

Claims 1, 2, 5 and 17 have been amended and claims 21-23 have been added by the present Amendment. Amended claims 1, 2, 5 and 17 and new claims 21-23 do not introduce any new subject matter.

REJECTIONS UNDER 35 U.S.C. § 103**Claims 1-16**

Reconsideration is respectfully requested of the rejection of (1) claims 1, 4-6, 9 and 11-14 under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,719,343 ("Emerling") in view of U.S. Patent No. 6,724,317 ("Kitano"); (2) claims 2 and 10 under 35 U.S.C. § 103(a) as being unpatentable over Emerling in view of Kitano and further in view of U.S. Patent No. 6,216,927 ("Meritt"); (3) claim 3 under 35 U.S.C. § 103(a) as being unpatentable over Emerling in view of Kitano and further in view of U.S. Patent Application Pub. No. 2003/0198008 ("Leapman"); and (4) claims 7, 8, 15, 16 under 35 U.S.C. § 103(a) as being unpatentable over Emerling in view of Kitano, in further view of Meritt and in further view of U.S. Patent Application Pub. No. 2001/0001083 ("Helot").

Emerling and Kitano Teach Away From A Headrest Mounted Video System

Applicant respectfully submits that there is nothing in Emerling or Kitano to suggest the desirability of modifying Emerling with the headrest mounted display in Kitano. Indeed, both Emerling and Kitano teach away from such a modification.

The Federal Circuit emphasized that the proper inquiry for a determination of obviousness is "whether there is something in the prior art as a whole to suggest the

desirability, and thus the obviousness, of making the combination.” *In re Fulton*, 391 F.3d 1195, 1200-01, 73 USPQ2d 1141, 1145-46 (Fed. Cir. 2004) (emphasis in original); see M.P.E.P. § 2143.01.

In contrast to suggesting the desirability of the combination, both Emerling and Kitano criticize, discredit and/or discourage a headrest mounted configuration. For example, an objective of Emerling is to provide a “freely positionable video monitor screen” so as to avoid undesired glare and “motion sickness generated by improper sight lines of the monitor.” Emerling states that it is desirable to provide a system having a monitor mounting arrangement, which can be adjusted to a variety of viewing positions to accommodate various sight lines of passengers in the vehicle.” See Emerling, col. 1, lines 43-58. Further, Emerling shows different embodiments of a floor console including a monitor that can be positioned in multiple locations and at multiple angles. See Figs. 14, 16 and 17.

Therefore, one of ordinary skill in the art, upon reading the disclosure and viewing the Figures in Emerling, would be discouraged from modifying Emerling into a headrest mounted system due to the possible constraints on the range of motion of a headrest mounted monitor.

Kitano also discourages the use of a headrest mounted monitor. For example, Kitano states that a display positioned at a “shoulder section” of a front seat is obstructed by a middle seat of an automobile having front, middle and rear rows of seats. See Kitano, col. 1, lines 45-55, col. 2, lines 12. Kitano, instead, advocates the use of an overhead monitor, and teaches away from a headrest mounted monitor, citing obstructions of view that can result with a headrest mounted system.

Accordingly, one of ordinary skill in the art would not be motivated to modify Emerling with the headrest mounted monitor of Kitano, since neither of the references suggests the desirability of such a modification. Indeed, both references teach away from the modification. As such, for at least this reason, Applicant respectfully submits that claims 1 and 9, and the claims dependent thereon are patentable over the cited references.

The Proposed Modification To Emerling Renders The Emerling Device Unsatisfactory For Its Intended Purpose

"If a proposed modification would render the prior art invention being modified unsatisfactory for its intended purpose, then there is no suggestion or motivation to make the proposed modification." *In re Gordon*, 733 F.2d 900, 221 USPQ 1125 (Fed. Cir. 1984); see M.P.E.P. § 2143.01.

As stated above, an intended purpose of Emerling is to provide a "freely positionable video monitor screen" so as to avoid undesired glare and "motion sickness generated by improper sight lines of the monitor." See Emerling, col. 1, lines 43-58.

However, modifying Emerling with the display of Kitano would frustrate the intended purpose of a freely positionable monitor screen. The display 4 shown in Kitano is mounted on a shoulder section of the front seat 1, and is fixed to the legs 3 of the headrest using an arm 5. See Kitano, col. 1, lines 40-43; Fig. 1.

Accordingly, modifying Emerling to include the fixed display of Kitano, would render Emerling unsatisfactory for its intended purpose, since the display in Emerling would no longer be "freely positionable". As such, for at least this reason, Applicant respectfully submits that claims 1 and 9, and the claims dependent thereon are patentable over the cited references.

The Proposed Modification To Emerling Would Change
The Principle Of Operation Of The Emerling Device

Applicant respectfully submits that the proposed modification to Emerling would require substantial redesign and reconstruction of the device in Emerling and change its principle of operation.

"If the proposed modification or combination of the prior art would change the principle of operation of the prior art invention being modified, then the teachings of the references are not sufficient to render the claims *prima facie* obvious." *In re Ratti*, 270 F.2d 810, 123 USPQ 349 (CCPA 1959). Further, the suggested combination of references should not result in "a substantial reconstruction and redesign of the elements" shown in the primary reference. 270 F.2d at 813, 123 USPQ at 352.

Emerling discloses a center console assembly for a vehicle, which is specifically designed to house a video player therein and a monitor mounted thereto that can be freely positioned to a variety of viewing locations. Moreover, the center console assembly of Emerling includes features in addition to the video player and monitor, such as storage for remote controls, cup holders and interchangeable modules or bins. See, e.g., Emerling, Figs. 9, 10, 20, and 27.

If Emerling were modified to be a headrest mounted system, substantial reconstruction and redesign would be required. For example, the orientation and size of a video player housed in the console, and the way in which the monitor is coupled to the console would require substantial reconstruction and redesign to be adaptable to a headrest system. Further, the additional features, such as storage for remote controls, cup holders and interchangeable modules or bins would likely be eliminated. Therefore, it is clear that the Emerling device would require substantial changes if converted to a

headrest system and would cease to operate and function as the originally intended center console.

Accordingly, for at least this reason, there is no suggestion to modify Emerling with the teachings of Kitano, and Applicant respectfully submits that claims 1 and 9, and the claims dependent thereon are patentable over the cited references.

None Of The Cited References Disclose Or Suggest A Base Unit Coupled To An Internal Headrest Support Structure Or To A Headrest Support Structure Located Within A Headrest Of A Vehicle Seat

In rejecting claims 1 and 9, the Examiner states that Kitano discloses a base unit coupled to an internal headrest and refers Applicant to Fig. 2 and col. 1, lines 57-60. See Oct. 4, 2005 Office Action at 2.

However, the device pictured in Fig. 2 of Kitano is not a headrest. Indeed, the device shown in Fig. 2 is a center console. The disclosure clearly states, at col. 1, line 59, that reference numeral 10 denotes a floor console, not a seat or a headrest. Therefore, Examiner's reasoning is clearly flawed.

Moreover, even if the Examiner meant to refer to Fig. 1 of Kitano, Kitano still does not disclose a base unit coupled to a headrest support structure located within a headrest of a vehicle seat, as recited in claim 1, or a base unit coupled to an internal headrest support structure, as recited in claim 9. The display 4 shown in Fig. 1 of Kitano is mounted on a shoulder section of the front seat 1, and is fixed to the exterior legs 3 of the headrest using an arm 5. See Kitano, col. 1, lines 40-43; Fig. 1.

In contrast, the claims recite an internal headrest support structure, and a headrest support structure located within a headrest of a vehicle seat. As such, for at least these reasons, Applicant respectfully submits that claims 1 and 9, and the claims

dependent thereon are patentable over the cited references.

*None Of The Cited References Disclose Or Suggest
The Door Comprising A Display And A Media Player*

The cited references do not disclose "a door pivotally connected to the base unit by a hinge, wherein the door comprises a display and a media player, as recited in claim 9.

In rejecting claim 9, the Examiner did not address the feature that the door comprises both the display and the media player, and fails to point out where the cited references disclose such a feature.

Applicant respectfully submits that this configuration is not disclosed in and is not rendered obvious by the cited references. As such, for at least this reason, Applicant respectfully submits that claim 9, and the claims dependent thereon are patentable over the cited references.

In view of the foregoing, Applicant respectfully submits that the embodiments of the invention as defined in amended claims 1 and 9 are patentable over Emerling, in view of Kitano, and further in view of Meritt, Leapman and/or Helot. For at least the reason that claims 2-8 depend from claim 1, and claims 10-16 depend from claim 9, claims 2-8 and 10-16 are also submitted to be patentably distinct over the cited references.

As such, Applicant requests that the Examiner withdraw the rejections of claims 1-16 under 35 U.S.C. §103(a).

Claims 17-20

Reconsideration is respectfully requested of the rejection of claims 17-20 under 35 U.S.C. § 103(a) as being unpatentable over Meritt in view of Helot. Applicant

respectfully submits that for at least the reason of the amendment to independent claim 17, claim 17 and claims 18-20 dependent thereon are patentable over the cited references.

Applicant respectfully submits that Meritt, when taken alone or in combination with Helot, fails to disclose or suggest a means for securing the docking station to a headrest support structure located within a headrest of a vehicle seat, wherein at least a portion of the docking station is disposed within the headrest, as recited in claim 17.

In rejecting claims 17-20, the Examiner states that Meritt discloses a docking station to secure a portable video system (Fig.1, element 13) having a means for securing the docking station to an internal headrest support structure (Fig. 1, element 25) and a means for securing the portable video system to the docking station (Fig. 1, element 62). See Oct. 4, 2005 Office Action at 5.

The Examiner appears to misconstrue elements of Meritt. For argument's sake, if element 13 is a docking station, it does not follow that element 25 is a means for securing the docking station to a headrest support structure. Indeed, even if case 2 is positioned on element 13, this configuration is not on a headrest. Element 13 is located on case 1. However, case 1 is not a vehicle seat. As shown in Figs. 2 and 4 of Meritt, case 1 is positioned between two seats of a vehicle and a separate element (case 2) is positioned on a vehicle seat. Accordingly, there is no teaching in Meritt of a means for securing a docking station to a headrest support structure.

Furthermore, Meritt does not disclose a means for securing the portable video system to the docking station. The straps 4 and buckle 62, which secure the signal generating device 3 in case 1 (not to a docking station in a headrest), have nothing to

do with what Examiner refers to as the docking station (element 13). Indeed, the signal generating device 3 does not contact element 13, and, therefore, is not secured to element 13.

Applicants also note that Meritt does not disclose or suggest securing the docking station to a headrest support structure located within a headrest of a vehicle seat, wherein at least of a portion of the docking station is disposed within the headrest. At most, Meritt shows a display device or entertainment accessory positioned in a case (not a docking station), that is externally attached to the exterior of a vehicle seat. See, e.g., Meritt, Figs. 3 and 11. In contrast, there is no showing in Meritt of securing a docking station to a headrest support structure within a headrest and a portion of the docking station disposed within the headrest.

Therefore, Meritt fails to disclose: (1) a means for securing a docking station to a headrest support structure located within a headrest; (2) a portion of a docking station disposed within a headrest; and (3) a means for securing the portable video system to the docking station. Further, the addition of Helot fails to render these elements obvious.

Therefore, it is respectfully submitted that the cited references, when taken alone or in combination, do not disclose or suggest the features recited in claim 17. It is respectfully submitted that it would not have been obvious to modify Meritt, in view of Helot, to develop same.

Applicant respectfully submits that the embodiment of the invention as defined in amended claim 17 is patentable over Meritt, in view of Helot. For at least the reason that claims 18-20 depend from claim 17, claims 18-20 are also submitted to be

patentably distinct over the cited references.

As such, Applicant requests that the Examiner withdraw the rejection of claims 17-20 under 35 U.S.C. §103(a).

DOUBLE PATENTING

Claims 1-20 have been rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-65 of U.S. Patent No. 6,899,365 ("Lavelle") in view of Kitano. Lavelle is commonly owned by the assignee of the instant application.

In addition, claims 1-20 have been provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-45 of copending Application No. 10/688,611, U.S. Patent Application Pub. No. 2004/0227696 ("Schedivy"). Schedivy is commonly owned by the assignee of the instant application.

Applicant requests that the double patenting rejections be held in abeyance pending disposition of the statutory rejections and possible amendments to the claims. If at such time, the Examiner maintains the double patenting rejections, Applicant will attend to responding to same. Accordingly, Applicant reserves the right to submit Terminal Disclaimers under 37 C.F.R. § 1.321 to obviate the double patenting rejections. The filing of Terminal Disclaimers is not intended to be, nor should it be construed as, an admission as to the merits of the rejections.

DEPENDENT CLAIMS

Applicant has not independently addressed the rejections of all the dependent claims because Applicant submits that, in view of the amendments to the claims

presented herein and, for at least similar reasons as why the independent claims from which the dependent claims depend are believed allowable as discussed, *supra*, the dependent claims are also allowable. Applicant however, reserves the right to address any individual rejections of the dependent claims should such be necessary or appropriate.

An early and favorable reconsideration is earnestly solicited. If the Examiner has any further questions or comments, the Examiner may telephone Applicant's Attorney to reach a prompt disposition of this application.

Respectfully submitted,



Michael F. Morano
Reg. No. 44,952
Attorney for Applicant

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130 Woodbury Road
Woodbury, NY 11797
(516) 692-8888



PATENT

Atty. Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):	George C. Schedivy	EXAMINER:	Nitin Patel
SERIAL NO.:	10/438,724	GROUP ART UNIT:	2673
FILED:	May 15, 2003	DATED:	February 3, 2006
FOR:	HEADREST MOUNTABLE VIDEO SYSTEM		

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:


Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 3, 2006.

Dated: February 3, 2006


 Michael F. Morano

02/08/2006 HDESTA1 00000003 10438724

04 FC:1806 180.00 OP

The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

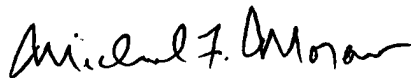
The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- This information disclosure statement is being filed within three (3) months of the filing date of this application.
- This information disclosure statement is being filed concurrently with the Request for Continued Examination (RCE) attached herewith
- This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- Statement under 37 C.F.R. § 1.97(e):
I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this statement.
- Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
 - Enclosed by check is the petition fee of \$130.00. 37 C.F.R. §1.17(i)(1))
- Please charge the \$130.00 petition fee to Deposit Account No. 50-0679.

- Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-0679. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

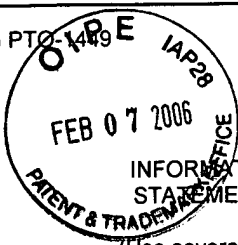
The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



Michael F. Morano
Reg. No. 44,952
Attorney for Applicant(s)

F. CHAU & ASSOCIATES, LLC
130 Woodbury Road
Woodbury, New York 11797
(516) 692-8888
(516) 692-8889 (FAX)

Form PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,681,366	7/21/87	Lobanoff	297	191	11/6/85
	6,871,356	3/22/05	Chang	725	75	2/7/03
	6,669,285	12/30/03	Park et al.	297	217.3	7/2/02

FOREIGN PATENT DOCUMENTS

	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO
	WO 02/074577 A1	9/26/02	PCT	B60N	2/48	X	
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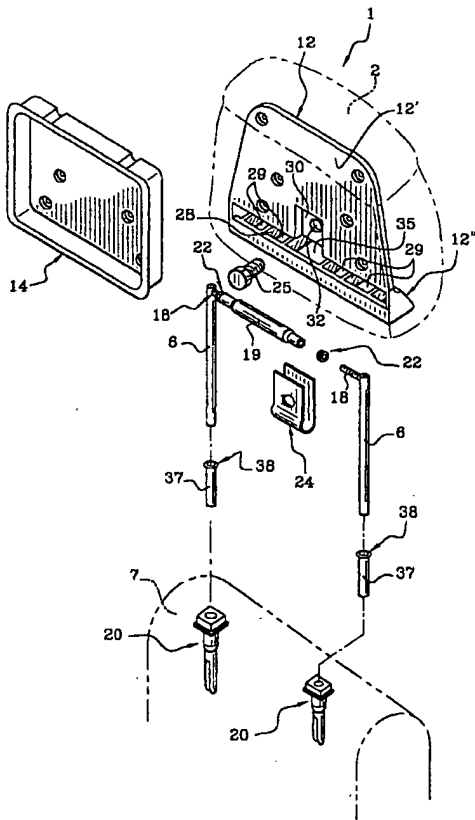
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(54) Title: HEAD REST, PARTICULARLY FOR A MOTOR VEHICLE SEAT

(54) Titre : APPUI-TÊTE NOTAMMENT POUR SIÈGE DE VÉHICULE AUTOMOBILE



(57) Abstract: The invention relates to a head rest, particularly for a motor vehicle seat, comprising a cushion made from synthetic foam (2) which houses an integrated support (12) that can be used to fix two parallel anchor rods (6) to the seat (7). According to the invention, the anchor rods (6) are fitted with threaded shafts (18) that extend at a right angle from the upper end of said rods. The threaded shafts (18) are each screwed into one end of a housing body in the form of a cylindrical sleeve (19) having a suitable internal threading. Tightening locknuts (22) are used to lock the anchor rods (6) in position on the cylindrical sleeve (19). Said cylindrical sleeve (19) is fixed to a locking lug (30), which is disposed on the integrated support (12), by means of a stirrup piece (24) which is associated with a screw-nut (25-26) type tightening system.

(57) Abrégé : Cet appui-tête, notamment pour siège de véhicule automobile, est constitué d'un coussin en mousse synthétique (2) renfermant un socle intégré (12) qui permet la fixation des deux tiges parallèles (6) d'ancrage sur le siège de réception (7). Conformément à l'invention, les tiges d'ancrage (6) sont munies de tiges filetées (18) qui s'étendent à l'équerre à partir de leur extrémité supérieure, lesquelles tiges filetées (18) viennent se visser chacune dans l'une des extrémités d'un corps de réception en forme de manchon cylindrique (19), muni d'un filetage interne adapté. Des contre-écrous de serrage (22) permettent de verrouiller le positionnement des tiges d'ancrage (6) sur le manchon cylindrique (19). Le manchon cylindrique (19) est fixé sur une patte d'accrochage (30) aménagée sur le socle intégré (12) par l'intermédiaire d'un étrier en U (24) associé à un système de serrage type vis-écrou (25-26).

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APPUI-TÊTE, NOTAMMENT POUR SIÈGE DE VÉHICULE AUTOMOBILE

La présente invention concerne une nouvelle structure d'appui-tête pour les sièges de véhicules automobiles, ou autres types de sièges.

Les appuis-tête classiques qui équipent les sièges de véhicules automobiles sont constitués d'un coussin en mousse synthétique recouvert d'une structure de housse en tissu, matière synthétique ou cuir, et qui renferme un insert rigide permettant la fixation des deux tiges parallèles destinées à venir s'ancrer dans des manchons d'accueil implantés au niveau de la partie supérieure du siège équipé.

Dans certaines structures d'appuis-tête l'entraxe des tiges d'ancrage ne peut pas être modifié ; il est alors nécessaire, dès la fabrication, de prévoir différentes versions d'appuis-tête, fonction de l'entraxe des manchons d'accueil dans le siège de réception.

Dans d'autres modèles connus, décrits par exemple dans les documents US-A-6 022 078, DE-A-196 52 591, ou encore FR-A-2 796 017, l'entraxe des tiges d'ancrage est modulable, mais les moyens de fixation internes de ces tiges, adaptés à cette modularité, sont relativement complexes.

D'autre part, comme on peut le voir dans les documents US-A-5 713 633 ou DE-A-196 01 582, certains modèles d'appuis-tête récents sont équipés d'un écran notamment du type à cristaux liquides pour lecteur DVD, console de jeux, ou autre... intégré dans leur face arrière pour être accessibles depuis les sièges arrière du véhicule. La présence de ces écrans complique encore la structure de fixation intégrée dans l'appui-tête.

Un premier but de la présente invention est de proposer une nouvelle structure d'appui-tête muni de tiges d'ancrage à entraxe modulable, de conception simple et facile à monter.

A cet effet, l'appui-tête conforme à la présente invention comporte des tiges d'ancrage munies de tiges filetées qui s'étendent à l'équerre à partir de leur extrémité supérieure ; ces tiges filetées viennent se visser chacune dans l'une des extrémités d'un corps de réception qui est muni d'un filetage interne adapté et qui est associé à des moyens de fixation sur un socle de réception intégré dans le coussin en mousse synthétique.

Selon une forme de réalisation préférée, les tiges filetées associées aux tiges d'ancrage comportent chacune un contre-écrou destiné à venir en butée contre le corps de réception, pour verrouiller le positionnement desdites tiges d'ancrage.

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Toujours selon une forme de réalisation préférée, le corps de réception des tiges filetées consiste en un manchon cylindrique qui vient se loger dans le fond d'un étrier rapporté en forme de U plat ; cet étrier en U vient prendre en sandwich une patte d'accrochage aménagée sur le socle intégré, et il est solidarisé avec ladite patte d'accrochage par un système de fixation du type vis-écrou.

Le socle intégré comporte avantageusement un logement adapté pour accueillir le manchon cylindrique et les tiges filetées qui prolongent à l'équerre les extrémités supérieures des tiges d'ancrage. Ce logement débouche sur la face frontale ou sur la face dorsale du socle ; il est positionné juste au-dessous de la patte d'accrochage de l'étrier en U et il comporte des ouvertures inférieures pour le passage des deux tiges d'ancrage. Ces ouvertures sont adaptées aux différents entraxes possibles des tiges d'ancrage.

Selon encore une autre caractéristique, le socle intégré comporte une ouverture aménagée sous la patte d'accrochage de l'étrier en U, pour faciliter le positionnement dudit étrier.

Pour conférer un caractère quasi universel à l'appui-tête conforme à la présente invention, on prévoit des manchons d'adaptation rapportés, aptes à compenser la différence possible entre le diamètre externe des tiges d'ancrage et le diamètre interne des manchons d'accueil implantés dans la partie supérieure du siège de réception. Ces manchons rapportés comportent avantageusement une collerette supérieure permettant leur maintien sur lesdits manchons d'accueil.

Un autre but de la présente invention est de proposer une nouvelle structure d'appui-tête simplifiée dans laquelle est intégré un écran, par exemple du type à cristaux liquides pour lecteur DVD, console de jeux, ou autre...

Conformément à la présente invention, cet écran est encastré dans la face arrière de l'appui-tête et il est verrouillé de manière amovible dans un boîtier lui-même encastré dans ladite face arrière et fixé sur le socle intégré.

Selon une forme de réalisation préférée, le boîtier d'écran est encastré dans une ouverture aménagée dans la face arrière de l'appui-tête, laquelle ouverture est délimitée par un cadre rigide dont la largeur correspond sensiblement à l'épaisseur dudit boîtier et sur la bordure interne duquel vient prendre appui le socle intégré. Le fond du boîtier d'écran est solidarisé avec le socle intégré au moyen de vis de fixation, et la face avant de ce boîtier est munie d'une collerette périphérique débordante, adaptée pour venir en appui contre la bordure externe dudit cadre rigide.

La mousse synthétique formant le coussin d'appui-tête est avantageusement surmoulée sur ce cadre rigide.

Toujours selon l'invention, les tiges d'ancrage de l'appui-tête sont creuses et le câblage d'alimentation de l'écran intégré passe dans l'une au moins desdites tiges.

- 5 L'invention sera encore illustrée, sans être aucunement limitée, par la description suivante d'un mode de réalisation particulier, donné uniquement à titre d'exemple et représenté sur les dessins annexés dans lesquels :
- la figure 1 est une vue de côté schématique d'un appui-tête conforme à la présente invention, positionné sur le siège d'un véhicule automobile ;
 - 10 - la figure 2 est une vue schématique de l'appui-tête, en coupe transversale partiellement éclatée ;
 - la figure 3 est une vue en perspective éclatée illustrant le principe de fixation des tiges d'ancrage sur le socle intégré de l'appui-tête ;
 - la figure 4 est une vue agrandie, de face, qui montre le détail de l'assemblage des
 - 15 tiges d'ancrage sur le manchon cylindrique d'accueil ;
 - la figure 5 est une vue en perspective du socle intégré sur lequel sont fixées les tiges d'ancrage à entraxe modulable ;
 - la figure 6 est une vue agrandie, en coupe selon 6-6 de la figure 5.

20 Tel qu'illustré sur les figures 1 et 2, l'appui-tête 1 est constitué d'un coussin en mousse synthétique 2 recouvert d'une structure de housse 3 en tissu, matière synthétique ou cuir.

Un logement 4 est aménagé à l'intérieur du coussin 2, recevant une structure d'insert 5 destinée, d'une part, à la fixation des deux tiges parallèles 6 qui permettent l'ancrage de l'appui-tête 1 sur le dessus du siège 7 du véhicule, et d'autre part à la

25 fixation d'un écran encastré 8, par exemple du type à cristaux liquides (LCD) pour lecteur DVD, console de jeux, ou autres. L'écran 8 est encastré dans la face arrière de l'appui-tête 1 pour être accessible depuis les sièges arrière du véhicule.

La structure d'insert 5 est constituée :

- d'un cadre rigide 10, en matière plastique ou en métal, qui délimite la partie arrière 4'
- 30 du logement 4 (cette partie de logement 4' a une forme générale parallélépipédique et elle débouche dans la face arrière du coussin 2 pour permettre l'encastrement de l'écran 8), et
- d'un socle 12 intégré dans la partie avant 4'' du logement 4 (cette partie de logement 4'' débouche dans la face inférieure du coussin 2).

Le socle intégré 12 vient en appui contre la bordure interne du cadre rigide 10 ; il est solidarisé avec ce dernier par l'intermédiaire d'un boîtier 14 qui vient s'insérer dans la partie de logement 4' et qui est agencée pour réceptionner l'écran LCD 8. L'épaisseur du boîtier 14 correspond sensiblement à la largeur du cadre rigide 10 ; son fond est fixé sur le socle 12 au moyen de vis 15 et il comporte une collerette périphérique débordante 16 adaptée pour venir en appui contre la bordure externe du cadre rigide 10.

On comprend bien qu'une fois les vis de fixation 15 mises en place, l'ensemble se tient correctement à l'intérieur du coussin de mousse 2. Pour améliorer encore cette tenue, le coussin de mousse 2 peut être surmoulé sur le cadre rigide 10.

Le socle 12 consiste en une pièce rapportée, par exemple réalisée en matière plastique moulée. Il comprend un plateau 12' dont les dimensions sont légèrement supérieures à celles du cadre rigide 10, prolongé vers le bas par un renflement 12" dont la structure est détaillée plus loin.

Les deux tiges d'ancrage 6 de l'appui-tête sont fixées sur le socle intégré 12 de la manière illustré sur les figures 3 à 6.

Ces deux tiges d'ancrage 6 sont ici des tiges creuses métalliques à l'extrémité supérieure desquelles sont soudées à l'équerre des tiges filetées 18 aptes à venir se visser dans les extrémités d'un corps de réception 19 en forme de manchon cylindrique. Le pas de vis intérieur du manchon 19 est bien entendu adapté au pas de vis extérieur des tiges filetées 18.

On comprend alors que le manchon 19 sert de pièce de liaison entre les deux tiges creuses 6 et qu'il permet de régler très facilement l'entraxe de ces deux tiges 6 en adaptant la longueur de vissage des tiges filetées 18.

L'entraxe des tiges 6 est réglé en fonction de l'entraxe des manchons d'accueil 20 qui équipent le siège 7 du véhicule. Le maintien de cet entraxe est assuré par le serrage de contre-écrous 22 qui équipent les tiges filetées 18 (figures 3, 4 et 5).

La fixation de cet assemblage 6, 18, 19 sur le socle 12 est réalisée au moyen d'un étrier 24 en forme de U plat, associé à un système de serrage type vis-écrou 25-26.

Pour cela, le manchon 19 avec les tiges filetées 18 et les contre-écrous 22 sont insérés dans un logement longitudinal 28 aménagé dans le renflement inférieur 12" du socle 12. Ce logement 28 débouche dans la face frontale du socle 12 et il comporte des ouvertures 29 orientées vers le bas pour le passage des tiges d'ancrage 6 ; ces

ouvertures inférieures 29 sont adaptées en fonction des différents entraxes possibles des tiges 6.

L'étrier en U 24 vient envelopper le manchon cylindrique 19 et il se positionne de part et d'autre d'une patte d'accrochage 30 aménagée dans la partie centrale du socle 12, juste au-dessus du logement 28. Cette patte d'accrochage 30 comporte un orifice 32 pour le passage du système vis-écrou de fixation 25-26.

La mise en place de l'étrier 24 est facilitée par la présence d'une ouverture 35 prévue dans le renflement 12" du socle 12, sous la patte d'accrochage 30.

Cette fixation des tiges 6 sur le socle 12 est réalisée avant l'insertion du socle 12 dans le coussin 2 de l'appui-tête. Une fois le socle 12 et le boîtier 14 correctement positionnés et fixés, on peut mettre en place le revêtement d'appui-tête 3 ou finir le positionnement de ce revêtement, selon le cas.

A titre de variante, le logement 28 pourrait de la même manière déboucher dans la face dorsale du socle 12. On peut aussi envisager la présence d'organes monoblocs aménagés sur le bord du logement 28 pour bloquer le positionnement du manchon cylindrique 19.

De manière connue, les tiges d'ancrage 6 peuvent comporter un système de crantage pour permettre le réglage du positionnement en hauteur de l'appui-tête sur les manchons d'accueil 20 du siège 7.

Si le diamètre des tiges 6 n'est pas adapté au diamètre des manchons d'accueil 20, on peut utiliser des manchons d'adaptation 37, visibles sur la figure 3, permettant de compenser les différences de dimensions. Ces manchons d'adaptation 37 comportent une collerette supérieure 38 qui permet leur maintien en position sur les manchons d'accueil 20 ; le diamètre externe des manchons d'adaptation 37 est adapté au diamètre interne des manchons d'accueil 20, et leur diamètre interne est adapté au diamètre externe des tiges d'ancrage 6.

Pour obtenir un certain caractère d'universalité, un jeu complet de manchons d'adaptation 37 peut être proposé avec l'appui-tête 1, correspondant aux différentes dimensions possibles des manchons d'accueil 20.

Comme on peut le voir sur la figure 1, une fois mis en place, l'appui-tête peut être réglé en inclinaison en faisant pivoter légèrement à force le socle 12 autour du manchon cylindrique 19. Le serrage du système vis-écrou 25-26 est adapté pour permettre ce réglage d'inclinaison.

Sur les figures 3, 4 et 5, on remarque encore la présence d'un câblage 40 destiné à assurer l'alimentation en énergie notamment de l'écran 8. Comme on peut le

voir, ce câblage 40 passe dans l'une des tiges d'ancrage creuses 6. L'une de ses extrémités comporte un connecteur 41 destiné à venir se brancher sur l'écran 8 par l'intérieur de l'appui-tête ; son autre extrémité est destinée à passer dans le siège 7 équipé, en vue de la connexion à la source d'alimentation, ainsi qu'aux sources audio et vidéo éventuelles.

5 Cette structure d'appui-tête est de conception simple et elle est très facile à monter ; elle permet de proposer un ensemble complet apte à venir s'adapter sur n'importe quel type de siège équipé de manchons d'accueil. Le cas échéant, le système de fixation de l'écran 8 sur le socle 12 peut être mis en œuvre
10 indépendamment du principe de réglage de l'entraxe des tiges d'ancrage.

REVENDICATIONS

1.- Appui-tête, notamment pour siège de véhicule automobile, constitué d'un coussin en mousse synthétique (2) qui renferme un socle intégré (12) permettant la fixation des deux tiges parallèles (6) d'ancrage sur le siège de réception (7), caractérisé en ce qu'il comporte des tiges d'ancrage (6) munies de tiges filetées (18) qui s'étendent à l'équerre à partir de leur extrémité supérieure, lesquelles tiges filetées (18) viennent se visser chacune dans l'une des extrémités d'un corps de réception (19) qui est muni d'un filetage interne adapté et qui est associé à des moyens de fixation (24, 25, 26) sur ledit socle intégré (12).

2.- Appui-tête selon la revendication 1, caractérisé en ce que les tiges filetées (18) associées aux tiges d'ancrage (6) comportent chacune un contre-écrou (22) destiné à venir en butée contre le corps de réception (19) pour verrouiller le positionnement desdites tiges d'ancrage (6).

3.- Appui-tête selon l'une quelconque des revendications 1 ou 2, caractérisé en ce que le corps de réception (19) des tiges filetées (18) consiste en un manchon cylindrique, lequel manchon (19) vient se loger dans le fond d'un étrier rapporté (24) en forme de U plat, lequel étrier (24) vient prendre en sandwich une patte d'accrochage (30) aménagée sur le socle intégré (12) et est solidarisé avec ladite patte d'accrochage (30) par un système de fixation type vis-écrou (25-26).

4.- Appui-tête selon la revendication 3, caractérisé en ce qu'il comporte un socle intégré (12) muni d'un logement (28) adapté pour accueillir le manchon cylindrique (19) et les tiges filetées (18) qui prolongent à l'équerre les extrémités supérieures des tiges d'ancrage (6), lequel logement (28), débouchant sur la face frontale ou sur la face dorsale dudit socle (12), est positionné juste dessous la patte d'accrochage (30) de l'étrier en U (24), et lequel logement (28) comporte des ouvertures inférieures (29) pour le passage desdites tiges d'ancrage (6), lesdites ouvertures (29) étant adaptées aux différents entraxes possibles desdites tiges d'ancrage (6).

5.- Appui-tête selon la revendication 4, caractérisé en ce que le logement (28) du socle (12) comporte une ouverture (35), aménagée sous la patte d'accrochage (30), pour faciliter le positionnement de l'étrier en U (24).

6.- Appui-tête selon l'une quelconque des revendications 1 à 5, caractérisé en ce qu'il comporte des manchons d'adaptation (37) rapportés, aptes à compenser la différence entre le diamètre externe des tiges d'ancrage (6) et le diamètre interne des

manchons d'accueil (20) implantés dans la partie supérieure du siège de réception (7), lesquels manchons d'adaptation (37) comportent une collerette supérieure (38) permettant leur maintien sur lesdits manchons d'accueil (20).

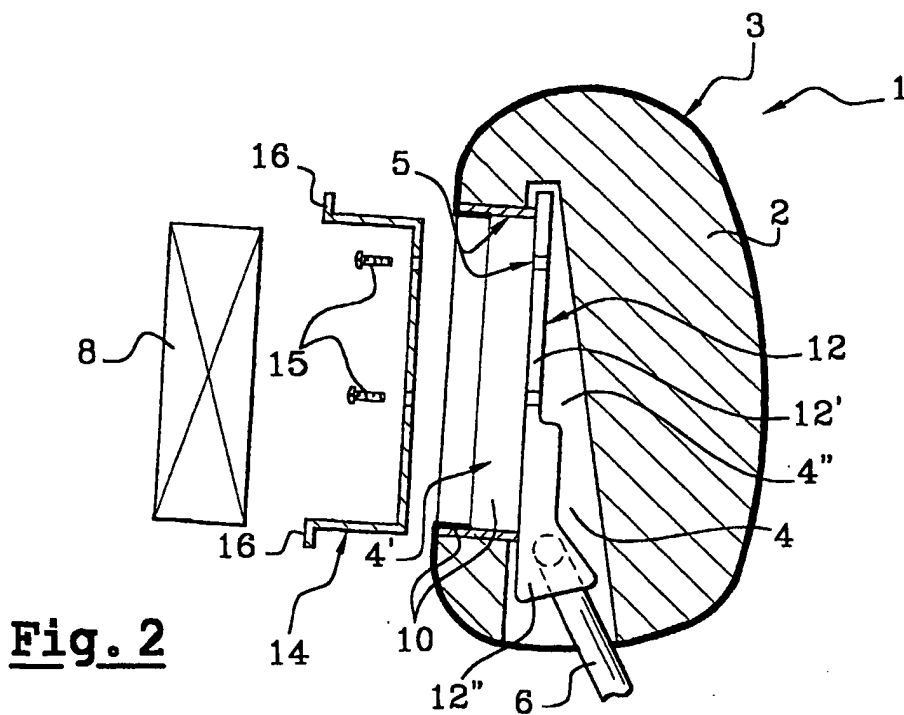
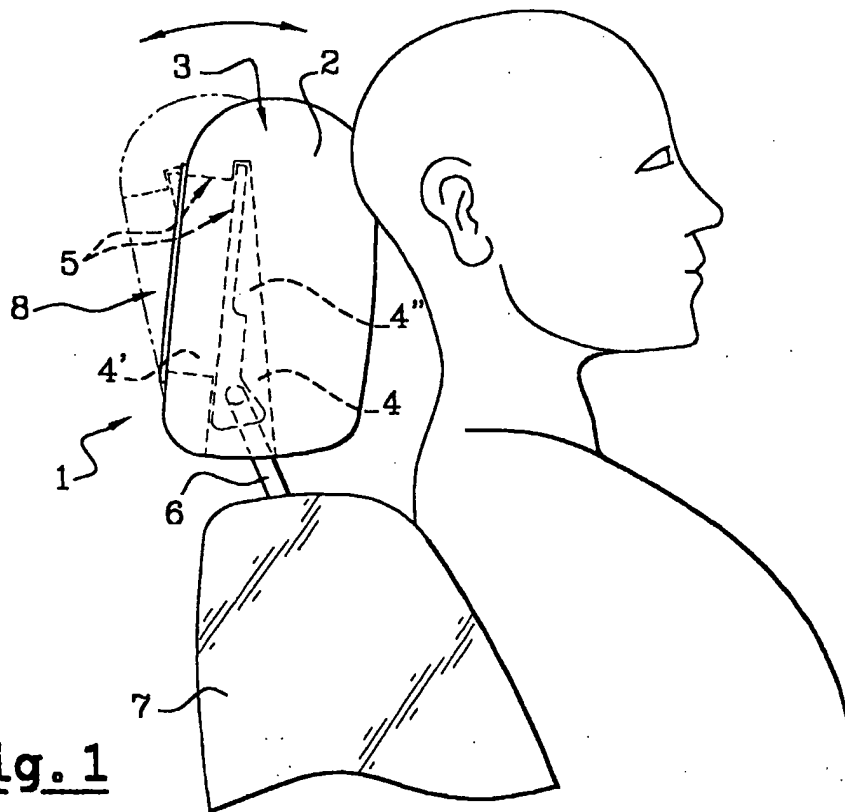
5 7.- Appui-tête selon l'une quelconque des revendications 1 à 6, caractérisé en ce qu'il comporte un écran (8), type écran à cristaux liquides pour lecteur DVD ou pour console de jeux par exemple, encastré dans sa face arrière, lequel écran (8) est verrouillé de manière amovible dans un boîtier (14) lui-même encastré dans ladite face arrière et fixé sur le socle intégré (12).

10 8.- Appui-tête selon la revendication 7, caractérisé en ce qu'il comporte un boîtier d'écran (14) encastré dans un logement (4') aménagé dans la face arrière du coussin de mousse (2), lequel logement (4') est délimité par un cadre rigide (10) dont la largeur correspond sensiblement à l'épaisseur dudit boîtier (14) et sur la bordure interne duquel vient prendre appui le socle intégré (12), le fond dudit boîtier (14) étant solidarisé avec ledit socle intégré (12) au moyen de vis de fixation (15), et la face avant
15 dudit boîtier (14) étant munie d'une collerette périphérique (16) débordante, adaptée pour venir en appui contre la bordure externe dudit cadre rigide (10).

9.- Appui-tête selon la revendication 8, caractérisé en ce qu'il comporte un coussin (2) en mousse synthétique surmoulé sur le cadre rigide (10).

20 10.- Appui-tête selon l'une quelconque des revendications 7 à 9, caractérisé en ce qu'il comporte des tiges d'ancrage (6) creuses dans l'une au moins desquelles passe le câblage (40) destiné à l'alimentation de l'écran (8).

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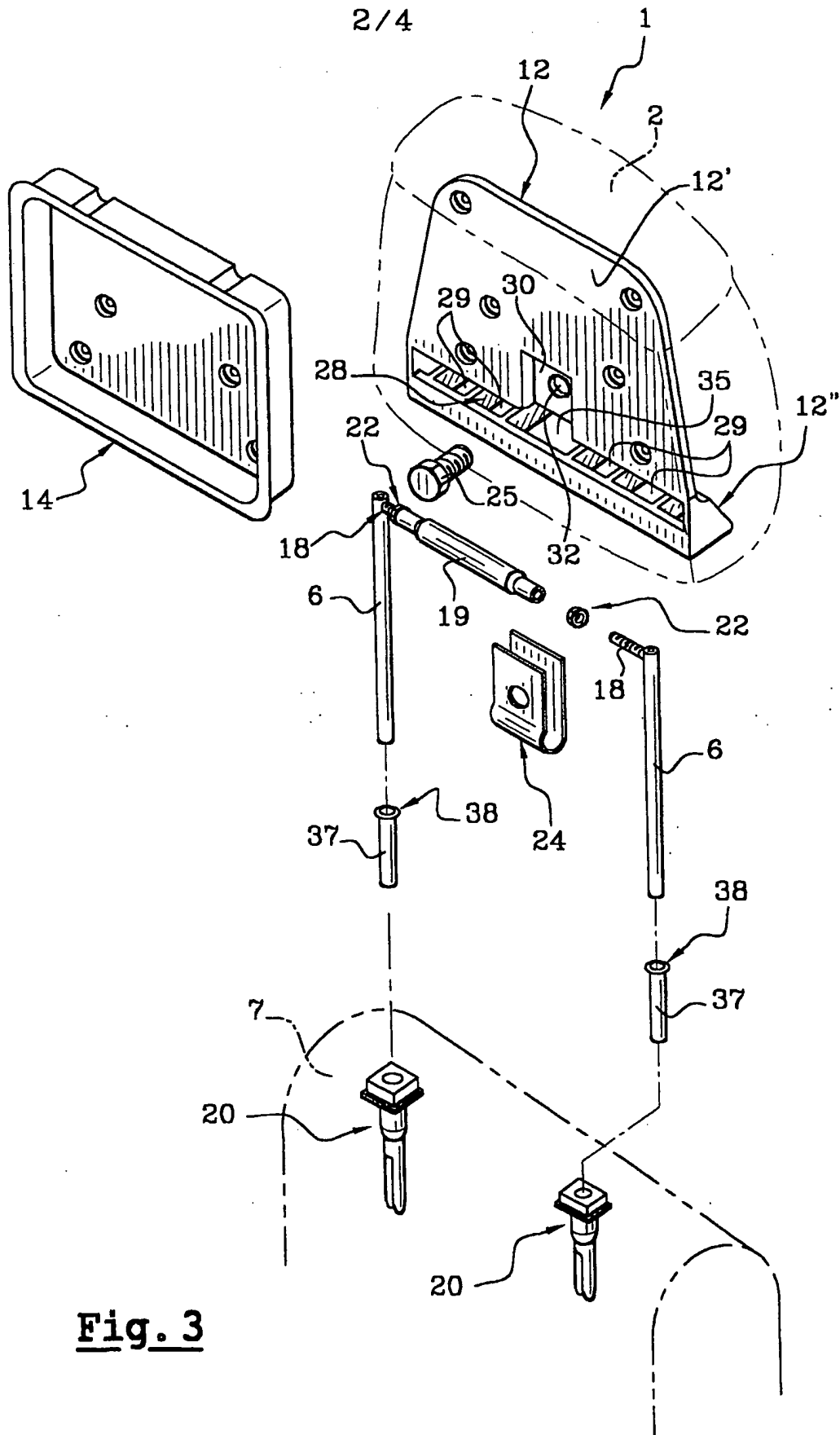


Fig. 3

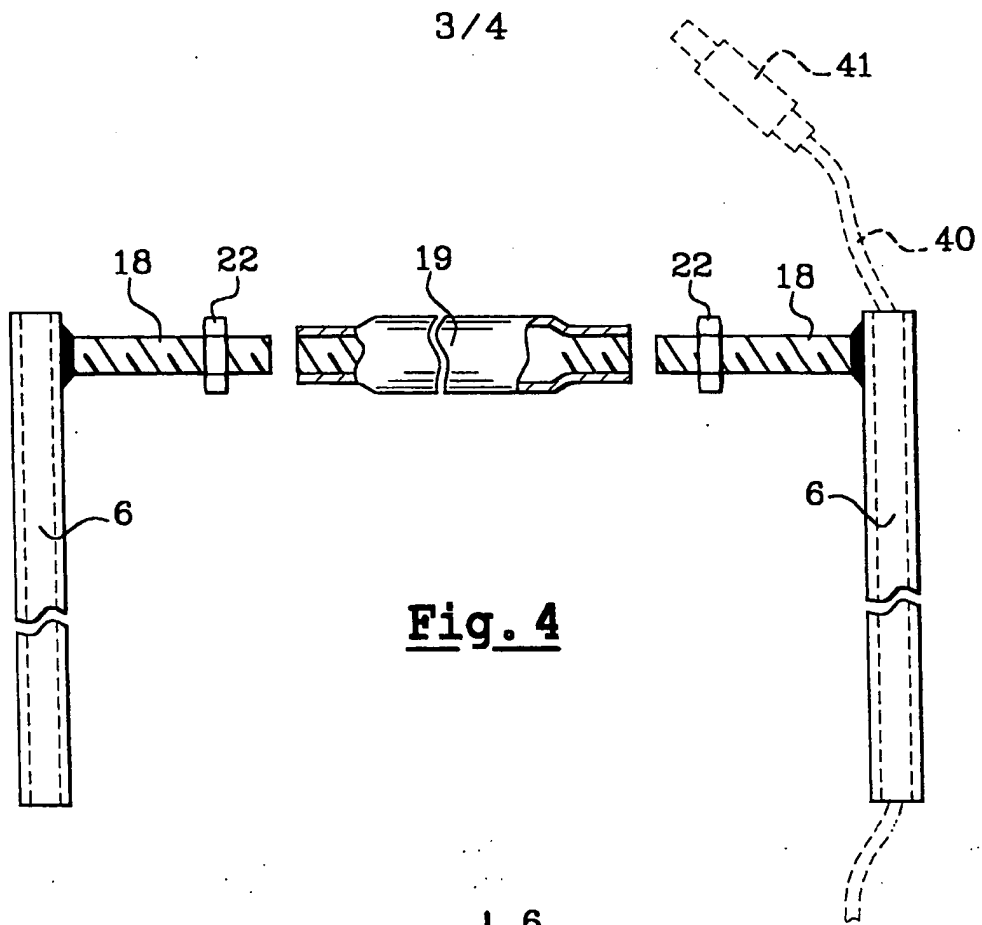


Fig. 4

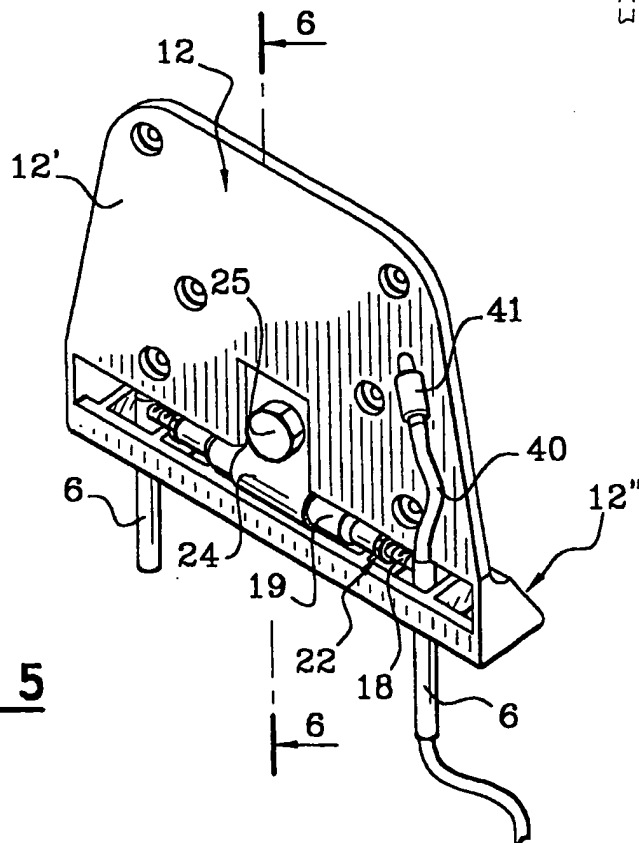


Fig. 5

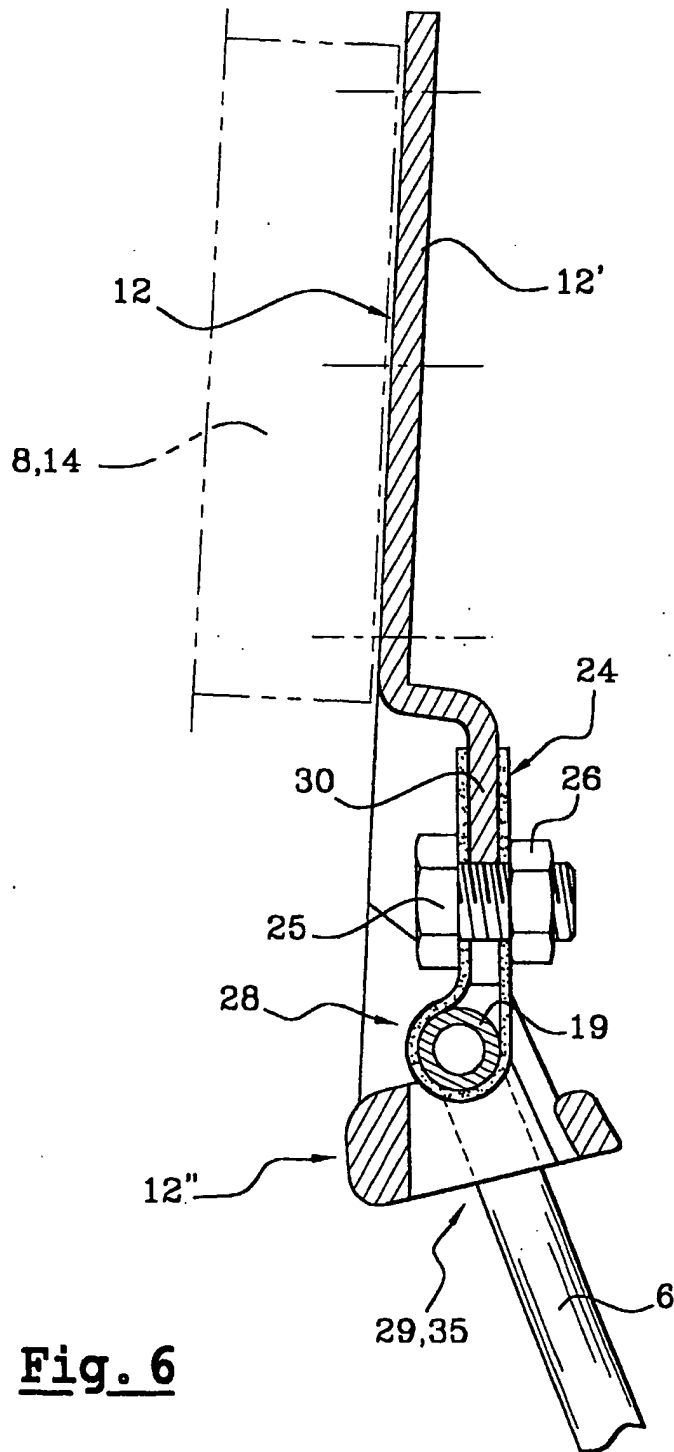


Fig. 6

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/03110

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60N2/48 B60R11/02</p> <p>According to International Patent Classification (IPC) or to both national classification and IPC</p>													
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC 7 B60N</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal</p>													
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>US 6 022 078 A (CHANG YUNG-TSUNG) 8 February 2000 (2000-02-08) cited in the application the whole document</td> <td>1</td> </tr> <tr> <td>A</td> <td>DE 196 52 591 A (BUTZ PETER VERWALTUNG) 19 June 1997 (1997-06-19) cited in the application figure 1 column 1, line 37 - line 62</td> <td>1</td> </tr> <tr> <td>A</td> <td>FR 2 796 017 A (FAURE BERTRAND EQUIPEMENTS SA) 12 January 2001 (2001-01-12) cited in the application abstract; figures 5,6</td> <td>1</td> </tr> </tbody> </table>		Category *	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	US 6 022 078 A (CHANG YUNG-TSUNG) 8 February 2000 (2000-02-08) cited in the application the whole document	1	A	DE 196 52 591 A (BUTZ PETER VERWALTUNG) 19 June 1997 (1997-06-19) cited in the application figure 1 column 1, line 37 - line 62	1	A	FR 2 796 017 A (FAURE BERTRAND EQUIPEMENTS SA) 12 January 2001 (2001-01-12) cited in the application abstract; figures 5,6	1
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A	FR 2 796 017 A (FAURE BERTRAND EQUIPEMENTS SA) 12 January 2001 (2001-01-12) cited in the application abstract; figures 5,6	1											
<p><input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.</p>													
<p>* Special categories of cited documents :</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*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)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> <p>*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</p> <p>*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</p> <p>*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.</p> <p>*g* document member of the same patent family</p>													
<p>Date of the actual completion of the international search</p> <p>31 July 2002</p>	<p>Date of mailing of the international search report</p> <p>16/08/2002</p>												
<p>Name and mailing address of the ISA</p> <p>European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016</p>	<p>Authorized officer</p> <p>Cauderlier, F</p>												

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 02/03110

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6022078	A	08-02-2000 NONE	
DE 19652591	A	19-06-1997 DE 19652591 A1	19-06-1997
FR 2796017	A	12-01-2001 FR 2796017 A1	12-01-2001

Form PCT/ISA/210 (patent family annex) (July 1992)

RAPPORT DE RECHERCHE INTERNATIONALE

Dem. Internationale No
PCT/EP 02/03110

A. CLASSEMENT DE L'OBJET DE LA DEMANDE CIB 7 B60N2/48 B60R11/02		
Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB		
B. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE		
Documentation minimale consultée (système de classification suivi des symboles de classement) CIB 7 B60N		
Documentation consultée autre que la documentation minimale dans la mesure où ces documents relèvent des domaines sur lesquels a porté la recherche		
Base de données électronique consultée au cours de la recherche internationale (nom de la base de données, et si réalisable, termes de recherche utilisés) EPO-Internal		
C. DOCUMENTS CONSIDERES COMME PERTINENTS		
Catégorie *	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
A	US 6 022 078 A (CHANG YUNG-TSUNG) 8 février 2000 (2000-02-08) cité dans la demande le document en entier ---	1
A	DE 196 52 591 A (BUTZ PETER VERWALTUNG) 19 juin 1997 (1997-06-19) cité dans la demande figure 1 colonne 1, ligne 37 - ligne 62 ---	1
A	FR 2 796 017 A (FAURE BERTRAND EQUIPEMENTS SA) 12 janvier 2001 (2001-01-12) cité dans la demande abrégé; figures 5,6 -----	1
<input type="checkbox"/> Voir la suite du cadre C pour la fin de la liste des documents		<input checked="" type="checkbox"/> Les documents de familles de brevets sont indiqués en annexe
* Catégories spéciales de documents cités:		
'A' document définissant l'état général de la technique, non considéré comme particulièrement pertinent 'E' document antérieur, mais publié à la date de dépôt international ou après cette date 'L' document pouvant jeter un doute sur une revendication de priorité ou cité pour déterminer la date de publication d'une autre citation ou pour une raison spéciale (telle qu'indiquée) 'O' document se référant à une divulgation orale, à un usage, à une exposition ou tous autres moyens 'P' document publié avant la date de dépôt international, mais postérieurement à la date de priorité revendiquée		'T' document ultérieur publié après la date de dépôt international ou la date de priorité et n'appartenant pas à l'état de la technique pertinent, mais cité pour comprendre le principe ou la théorie constituant la base de l'invention 'X' document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme nouvelle ou comme impliquant une activité inventive par rapport au document considéré isolément 'Y' document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme impliquant une activité inventive lorsque le document est associé à un ou plusieurs autres documents de même nature, cette combinaison étant évidente pour une personne du métier 'Z' document qui fait partie de la même famille de brevets
Date à laquelle la recherche internationale a été effectivement achevée 31 juillet 2002		Date d'expédition du présent rapport de recherche internationale 16/08/2002
Nom et adresse postale de l'administration chargée de la recherche internationale Office Européen des Brevets, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Fonctionnaire autorisé Cauderlier, F

Formulaire PCT/ISA/210 (deuxième feuille) (juillet 1992)

RAPPORT DE RECHERCHE INTERNATIONALE

Renseignements relatifs aux membres de familles de brevets

Dem. Internationale No

PCT/EP 02/03110

Document brevet cité au rapport de recherche		Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US 6022078	A	08-02-2000	AUCUN	
DE 19652591	A	19-06-1997	DE 19652591 A1	19-06-1997
FR 2796017	A	12-01-2001	FR 2796017 A1	12-01-2001

Formulaire PCT/ISA/210 (annexe familles de brevets) (juillet 1992)

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 11-227332

(71)Applicant : TOYOTA TEKKUSU OSAKA:KK

(22)Date of filing : 11.08.1999

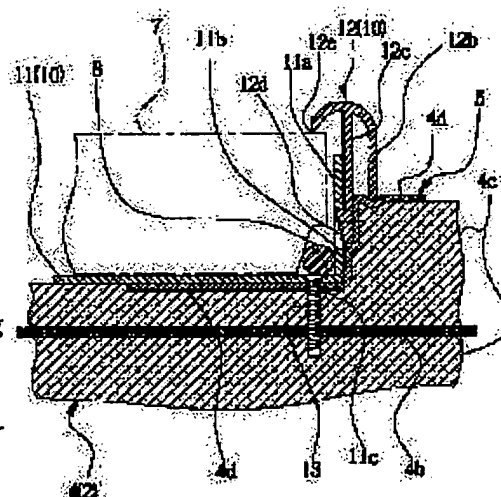
(72)Inventor : YAMAOKA SHINJI

(54) MONITOR MOUNTING FRAME FOR VEHICULAR SEAT AND VEHICULAR SEAT WITH MONITOR USING THE FRAME

(57)Abstract:

PROBLEM TO BE SOLVED: To mount a monitoring device such as a liquid crystal display monitor on a vehicular seat such as automobile's seat with ease without impairing its appearance.

SOLUTION: The monitor mounting frame is provided with a lower frame 11 to be mounted on the back face 5 of a seat and an upper frame 12 which is connected to the lower frame 11 and has an aperture for exposing a monitoring device 7 at the center. These upper and lower frames 12 and 11 can hold the monitoring device 7 therebetween, and the upper frame 12 is provided with a collar 12b overhanging on the side of the back face 5 of the seat around the upper frame 12. The lower frame 11 has a flange 11a projecting on the side of the upper frame 12, on the other hand, the upper frame 12 has an extending section 12c overhanging toward the lower frame 11. The upper and lower frames 12 and 11 are connected to each other by engaging the projection 12d formed in the extending section 12c with a hole 11b formed in the flange 11a.



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		7/62	Z 3 D 0 2 0
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(21) 出願番号 特願平11-227332
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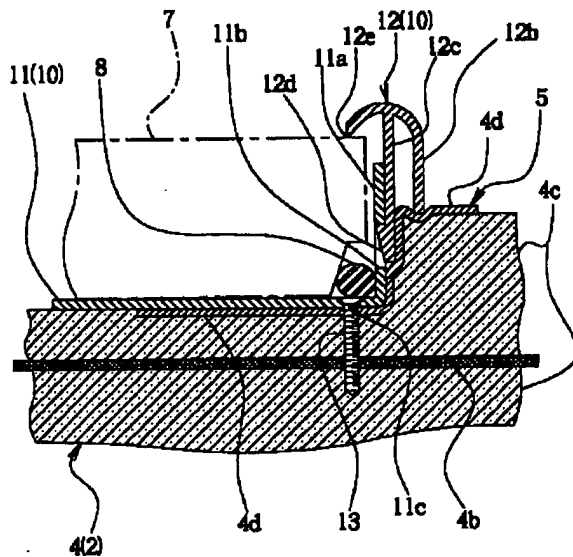
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 大阪府寝屋川市仁和寺本町4丁目20番44号
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 株式会社トヨタテックス大阪内
 (74) 代理人 100102048
 弁理士 北村 光司
 Fターム(参考) 3B084 DA05 DD07 JA04 JC00
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 5G435 AA17 BB12 EE00 EE05 HH18
 LL01 LL04 LL17

(54) 【発明の名称】 乗物用シートへのモニタ取付枠及びこれを用いたモニタ付き乗物用シート

(57) 【要約】

【課題】 自動車シート等の乗物用シートに液晶モニタ等のモニタ装置を外観良く簡易に取り付けることの可能な乗物用シートへのモニタ取付枠を提供すること。

【解決手段】 シート背面5に取り付ける下枠11とこの下枠11に連結し中央にモニタ装置7露出用の開口12aを有する上枠12とを備える。これら上枠12及び下枠11は、その間にモニタ装置7を挟持可能であり、上枠12はその周囲にシート背面5側に張り出す鉤12bを備えている。下枠11が上枠12側に突出するフランジ11aを有する一方、上枠12が下枠11側に向かって張出部12cを有し、フランジ11aに形成した孔11bに張出部12cに形成した突起12dに係合させることで、上枠12と下枠11とを連結してある。



【特許請求の範囲】

【請求項1】 自動車シート等の乗物用シート(2)の背面(5)に液晶モニタ等のモニタ装置(7)を取り付けるための乗物用シートへのモニタ取付枠であって、前記シート背面(5)に取り付ける下枠(11)とこの下枠(11)に連結し中央に前記モニタ装置(7)露出用の開口(12a)を有する上枠(12)とを備え、これら上枠(12)及び下枠(11)はその間に前記モニタ装置(7)を挟持可能であり、前記上枠(12)はその周囲に前記シート背面(5)側に張り出す鉤(12b)を備えている乗物用シートへのモニタ取付枠。

【請求項2】 前記下枠(11)が前記上枠(12)側に突出するフランジ(11a)を有する一方、前記上枠(12)が前記下枠(11)側に向かって張出部(12c)を有し、前記フランジ(11a)に形成した孔(11b)に前記張出部(12c)に形成した突起(12d)を係合させることで、前記上枠(12)と前記下枠(11)とを連結してある請求項1に記載の乗物用シートへのモニタ取付枠。

【請求項3】 前記フランジ(11a)を前記下枠(11)のほぼ全周に設けてある請求項1又は2のいずれかに記載の乗物用シートへのモニタ取付枠。

【請求項4】 前記張出部(12c)の前記突起(12d)が前記フランジ(11a)の外側から前記孔(11b)に係合する前記請求項1～3のいずれかに記載の乗物用シートへのモニタ取付枠。

【請求項5】 請求項1～4のいずれかに記載の乗物用シートへのモニタ取付枠を用いたモニタ付き乗物用シートであって、前記シート背面(5)に形成した穴(6)に前記下枠(11)を挿入してあるモニタ付き乗物用シート。

【請求項6】 請求項5に記載のモニタ付き乗物用シートであって、前記シート背面(5)が表皮(4d)を有し、前記穴(6)に前記下枠(11)を挿入してからその上に前記表皮(4d)を被せ、さらに前記モニタ装置(7)を載置するモニタ付き乗物用シート。

【請求項7】 請求項1～4のいずれかに記載の乗物用シートへのモニタ取付枠を用いたモニタ付き乗物用シートであって、前記シート(2)が心材(4b, e)と弾性材(4c)とを有し、前記下枠(11)と前記心材(4b, 4e)とを取付具(13, 14)により互いに引き寄せてこれらの間の前記弾性材(4c)を圧縮することにより前記下枠(11)を前記シート(2)に取り付けてあるモニタ付き乗物用シート。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、自動車シート等の乗物用シートの背面に液晶モニタ等のモニタ装置を取り付けるための乗物用シートへのモニタ取付枠に関するものである。

【0002】

【従来の技術】従来、自動車シートへモニタ装置を取り付ける際には、例えば、実開平2-128185号公報に記載の如く、ヘッドレストの支持棒に治具を設けて、モニタをシート本体の背面又はシートの側面側に張り出させるような構成が採用されている。

【0003】また、自動車シートのヘッドレストにモニタ装置を直接的に取り付けるに当たっては、ヘッドレストに穴を開けてクッション材を一部除去し、モニタ装置を挿入してからその周囲にパテ等を埋め込む工程を行っている。

【0004】しかし、前者の構成においては、シート外にモニタ装置が張り出す不都合があり、後者にあっては、パテ等による埋め込み作業が繁雑且つ外観不良となる問題があった。

【0005】なお、乗物用シートではなく、自動車のインストルメントパネルに液晶モニタを取り付けるに関しては、特開平9-171360号公報に記載の如く、ハウジングに固定した液晶モニタにカバーケースを取り付ける構成が知られている。同構成には勿論カバーケースとシートとの関係は記載されていない。

【0006】

【発明が解決しようとする課題】かかる従来の実情に鑑みて、本発明は、自動車シート等の乗物用シートに液晶モニタ等のモニタ装置を外観良く簡易に取り付けることのできる乗物用シートへのモニタ取付枠を提供することにある。

【0007】

【課題を解決するための手段】上記目的を達成するため、本発明に係る乗物用シートへのモニタ取付枠の特徴は、自動車シート等の乗物用シートの背面に液晶モニタ等のモニタ装置を取り付けるための構成であって、前記シート背面に取り付ける下枠とこの下枠に連結し中央に前記モニタ装置露出用の開口を有する上枠とを備え、これら上枠及び下枠はその間に前記モニタ装置を挟持可能であり、前記上枠はその周囲に前記シート背面側に張り出す鉤を備えていることにある。

【0008】本特徴によれば、まず、下枠をシート背面に取り付けてから、この下枠と上枠との間にモニタ装置を挟持するので、モニタ装置を確実に且つ簡易にシート背面に取り付けることができる。しかも、上枠がその周囲に前記シート背面側に張り出す鉤を備えているので、上枠とシート背面との間に鉤が介在して外観が良好となる。

【0009】ここで、前記下枠が前記上枠側に突出するフランジを有する一方、前記上枠が前記下枠側に向かって張出部を有し、前記フランジに形成した孔に前記張出部に形成した突起を係合させることで、前記上枠と前記下枠とを連結するように構成してもよい。

【0010】前記フランジは前記下枠のほぼ全周に設け

てもよい。また、前記張出部の前記突起は、前記フランジの外側側から前記孔に係合するように構成するとよい。

【0011】一方、上述の乗物用シートへのモニタ取付枠を用いたモニタ付き乗物用シートの特徴構成は、前記シート背面に形成した穴に前記下枠を挿入したことにある。

【0012】このモニタ付き乗物用シートを組み立てるに際しては、前記シート背面が表皮を有するものを用い、前記穴に前記下枠を挿入してからその上に前記表皮を被せ、さらに前記モニタ装置を載置するとよい。また、前記シートが心材と弾性材とを有し、前記下枠と前記心材とを取付具により互いに引き寄せてこれらの間の前記弾性材を圧縮することにより前記下枠を前記シートに取り付けてもよい。

【0013】

【発明の効果】このように、上記本発明に係る乗物用シートへのモニタ取付枠の特徴によれば、下枠と上枠との間へモニタ装置を挟持し且つ鍔を上枠とシート背面との間に介在させることで、自動車シート等の乗物用シートに液晶モニタ等のモニタを外観良く簡易に取り付けることが可能となった。

【0014】

【発明の実施の形態】次に、図1～図3を参照しながら、本発明の第一実施形態について説明する。モニタ付き乗物用シート1は、大略、乗物用シートの一例である自動車シート2とモニタ装置7とモニタ取付枠10とを備えている。自動車シート2は、シート本体3の上部に二本の支持棒4a、4aで連結されたヘッドレスト4を備えており、ヘッドレスト4の後側であるシート背面5にモニタ装置7がモニタ取付枠10を介して取り付けられている。また、ヘッドレスト4の下面からモニタ装置7に接続するコード7aがシート本体3内に誘導されている。

【0015】ヘッドレスト4は、支持棒4aに連結される合成樹脂等により成型された心材4bと、その周囲に設けたウレタンスポンジ等よりなる弾性材4cと、弾性材4cの周囲を取り囲む革又は布製の表皮4dとを備えている。本実施形態では、シート背面5側の表皮4dに切れ目を形成して、弾性材4cの一部を除去することにより穴6を形成し、この穴6内に表皮4dの上からモニタ装置7をモニタ取付枠10により取り付ける。

【0016】モニタ取付枠10は、互いに連結してモニタ装置7を挟持することの可能な下枠11と上枠12とを有している。下枠11は、鋼板、アルミニウム板または硬質のプラスチック等で形成され、全周に、フランジ11aを有している。また、左右のフランジ11a、11aには上枠12連結用の孔11b、11bを連結してある。また、下枠11の底板部にはヘッドレスト4への取付具を挿通するための小孔11cを複数形成し、さらに

先のコード7aを引き出すためのコード孔11dを開口してある。

【0017】一方、上枠12は、安全のため、例えば弾性を有する合成樹脂などで形成され、中央部にはモニター露出用の開口12aを形成してある。また、周囲には全周にわたって先のシート背面5側に張り出す鍔12bを設けてある。さらに、上枠12の左右における鍔12bの内側からは鍔11b、11bにそれぞれ向かってシート背面5側に張り出す張出部12c、12cを設け、それらの対向部に孔11b、11bにそれぞれ係止する楔形の突起12d、12dを形成してある。なお、フランジ12a回りの縁部はモニタ装置7を押さえるための押さえ部12eとして機能する。

【0018】ここで、ヘッドレスト4のシート背面5にモニタ装置7を取り付ける手順について説明する。まず、図2に示すように、シート背面5の表皮4dにX字状に切れ目を入れる。そして、弾性材4cを一部除去して穴6を形成し、表皮4dの上から穴6内に下枠11を半分程度埋め込む。小孔11cに取付ねじ13を貫通させ心材4bに螺合させることで下枠11と心材4bとの間の弾性材4cを弾性変形させて下枠11を穴6に固定する。

【0019】次に、フランジ11aの内側とモニタ装置7との間にゴム等で形成された緩衝材8を介在させて、モニタ装置7と下枠11との間のがたつきを防止する。その後、モニタ装置7の上から上枠12を被せ、張出部12cの突起12dの斜面を利用して突起12dをフランジ11aの外側から下方に移動させ、左右の突起12d、12dをそれぞれ孔11b、11bに嵌合させる。上枠12は押さえ部12eでモニタ装置7の表面に接当し、弾性変形してモニタ装置7をシート背面5に固定する。鍔12bはシート背面5の表面位置に応じて適宜突出量を調節するように削ればよいが、その先端を少しだけ表皮4d表面に食い込ませるようにすることで、外観を良好に保つことができる。

【0020】次に、図4及び図5を参照しながら本発明の第二実施形態について説明する。なお、先の実施形態と同様の部材には同様の符号を付し、上記第一実施形態と異なる部分のみ記載する。

【0021】本実施形態では、孔11bがフランジ11aの四隅に分散配置されている。また、下枠11は穴6内にはほぼその全てが埋め込まれ、また、表皮4dが下枠11上に被せられてから表皮4d上にモニタ装置7が配置される。上枠12の張出部12cも孔11bに対応して上枠12の四隅に配置され、フランジ11aに内側から接当し各突起12dが外側に突出するように各孔11bに嵌合し、張出部12cを孔11bに係止する。緩衝材8及び表皮4dにより下枠11に対するモニタ装置7のがたつきが規制される。

【0022】図6、7に示す第三実施形態では、シート

背面5に穴6や表皮4dの切れ目を形成しない点が先の第一及び第二実施形態とは異なる。本実施形態では、心材4eが支持棒4aと一体のコ字状に屈曲された鋼棒よりなる。そして、心材4eに弾性材4cを巻き付けその外面を表皮4dで覆っている。

【0023】下枠11の底面には一対の凹部11e、11eを形成してあり、さらに各凹部11eには取付ワイヤ14を挿通するための二つの貫通孔を形成してある。そして、心材4eに二本の取付ワイヤ14、14を掛けわたすと共に各凹部11e、11eの孔に取付ワイヤ14、14を挿通し、取付ワイヤ14を締め上げて閉じることにより、下枠11と心材4eとの間に弾性材4cを挟み込んでその弾性変形に伴う反発力によりシート背面5上に下枠11を固定する。鉤12bは、先の実施形態より長くなっており、上枠12はシート背面5の上側へ他の第一及び第二実施形態よりも突出することになる。但し、シート背面5に形成されるのは小さな取付ワイヤ14挿通用の孔に過ぎず、ヘッドレスト4の傷みを最小限に抑制できる利点がある。

【0024】最後に、本発明の他の実施形態の可能性について列挙する。上記実施形態では、本発明の自動車シートに対するモニター取付枠として実施したが列車や飛行機等のシートに対する取付枠として構成してもよい。

【0025】上記実施形態では、自動車用シートに対し後付け用のモニター取付枠10として本発明を実施した。もちろん、本発明はあらかじめ工場等でモニター装置を取り付ける用途にも用いられるが、本発明は特に後付用モニターの取付枠として有用である。

【0026】上記各実施形態では、張出部12cは2箇所または4箇所に局部的に突出させていた。しかし、この張出部12c及び上枠12は、上枠12の周囲に連続するフランジ状のものとして構成し、突起12dを局部的に突出させるだけでも構わない。

【0027】上記実施形態では、モニター装置7と下枠11の間に緩衝材8や表皮4dを設けた。しかし、これら表皮4dや緩衝材8を設けずにモニター装置7と下枠11とを互いながたつかないように直接接触させても構わない。

【0028】上記実施形態では、鉤12bを上枠12の全周に対して連続する構成とした。しかし、鉤12bにスリットを多数形成したり、鉤12bに多数の孔を形成してもよい。すなわち、上枠12の側面が外観上良好となるように鉤を設ければ足りる。

【0029】上記実施形態によれば、下枠11と上枠12との連結手段を孔11bと張出部12c及び突起12dとで構成したが、これらの連結手段は突起や孔に限定されるものではない。

【0030】なお、特許請求の範囲の項に記入した符号は、あくまでも図面との対照を便利にするためのものにすぎず、該記入により本発明は添付図面の構成に限定されるものではない。

【図面の簡単な説明】

【図1】本発明に係るモニタ付き乗物用シートの斜視図である。

【図2】ヘッドレスト、モニター装置及びモニター取付枠の関係を示す分解斜視図である。

【図3】図1のA-A線断面図である。

【図4】本発明に係る第二実施形態を示す図2相当図である。

【図5】第二実施形態に係る図3相当図である。

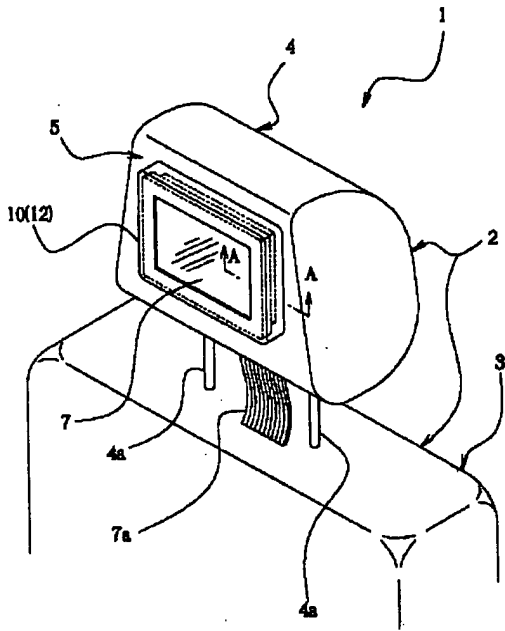
【図6】本発明の第三実施形態を示す下枠とヘッドレストとの関係を示す分解斜視図である。

【図7】本発明の第三実施形態に係る図3相当図である。

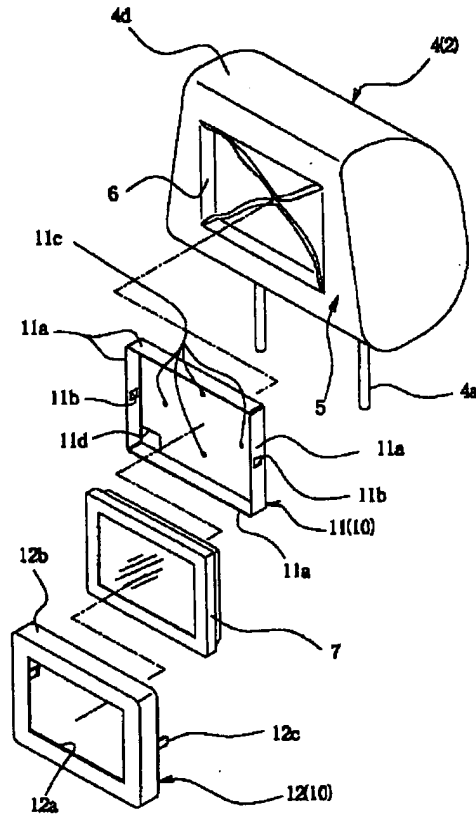
【符号の説明】

- 1 モニタ付き乗物用シート
- 2 自動車シート（乗物用シート）
- 3 シート本体
- 4 ヘッドレスト
- 4a 支持棒
- 4b 心材
- 4c 弾性材
- 4d 表皮
- 4e 心材
- 5 シート背面
- 6 穴
- 7 モニタ装置
- 7a コード
- 8 緩衝材
- 10 モニタ取付枠
- 11 下枠
- 11a フランジ
- 11b 孔
- 11c 小孔
- 11d コード孔
- 11e 凹部
- 12 上枠
- 12a 開口（モニター露出用）
- 12b 鉤
- 12c 張出部
- 12d 突起
- 12e 押さえ部
- 13 取付ねじ
- 14 取付ワイヤ

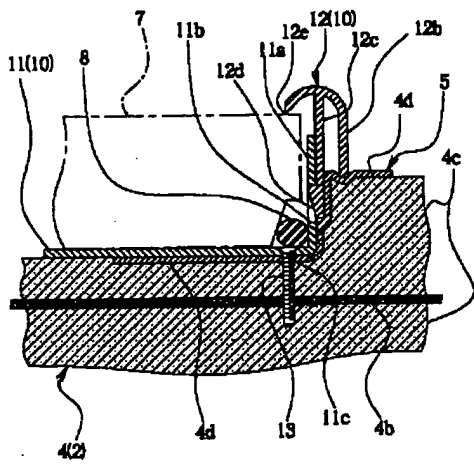
【圖1】



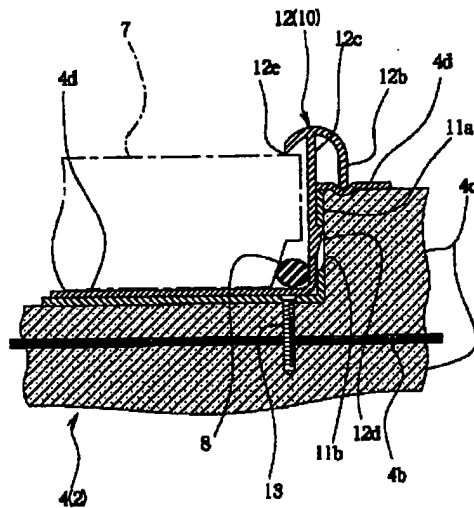
【圖2】



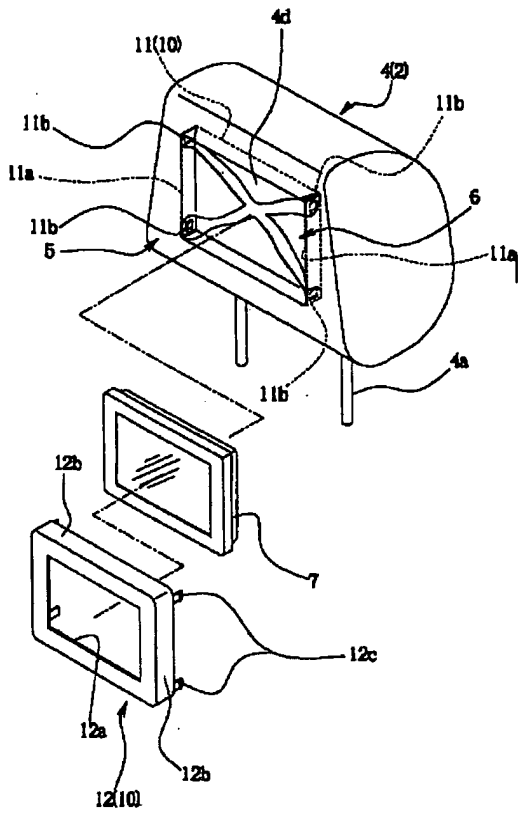
【圖3】



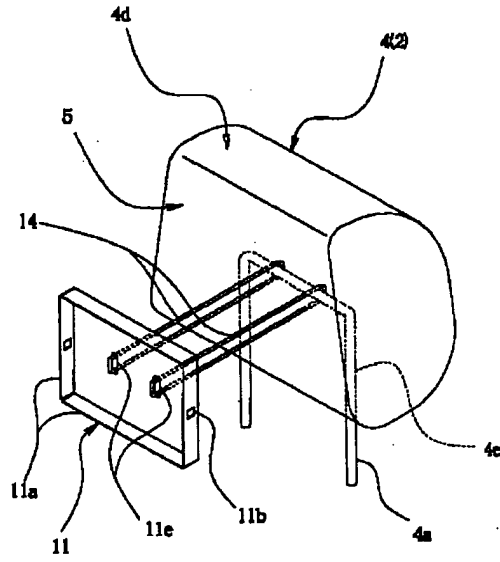
【圖5】



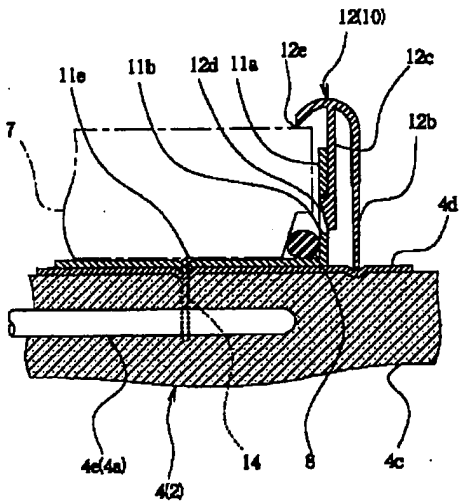
【圖4】



【圖6】



【圖7】



フロントページの続き

(51) Int. Cl. 7

G09F 21/04

識別記号

F I
G09F 21/04

7-73-1 (参考)

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2005 <i>(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)</i>		Docket Number (Optional) 8002A-80
Application Number 10/438,724		Filed May 15, 2003
For Headrest Mountable Video System		
Art Unit 2673	Examiner Nitin Patel	
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.		
The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):		
	<u>Fee</u>	<u>Small Entity Fee</u>
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60 \$ <u>120.00</u>
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$450	\$225 \$ _____
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1020	\$510 \$ _____
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1590	\$795 \$ _____
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2160	\$1080 \$ _____
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		
<input type="checkbox"/> A check in the amount of the fee is enclosed.		
<input checked="" type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.		
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.		
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>50-0679</u> . I have enclosed a duplicate copy of this sheet.		
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.		
I am the <input type="checkbox"/> applicant/inventor.		
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).		
<input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>44,952</u>		
<input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____		
<u>Michael F. Morano</u> Signature		<u>February 3, 2006</u> Date
<u>Michael F. Morano</u> Typed or printed name		<u>516-692-8888</u> Telephone Number
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.		
<input type="checkbox"/> Total of _____ forms are submitted.		

This collection of information is required by 37 CFR 1.136(a). 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 6 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.

02/08/2006 HDE5181 10003 10438724 120.00 OP

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/438,724	05/15/2003	George C. Schedivy	8002A-80	6312

22150 7590 10/04/2005

F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797

EXAMINER

PATEL, NITIN

ART UNIT PAPER NUMBER

2673

DATE MAILED: 10/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/438,724	Applicant(s) SCHEDIVY, GEORGE C.	
	Examiner Nitin Patel	Art Unit 2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

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 May 2003.
- 2a) This action is FINAL.
- 2b) This action is non-final.
- 3) 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

- 4) Claim(s) 1-20 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-20 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ 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).
- 11) 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

- 12) 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)
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 (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) *
Paper No(s)/Mail Date <u>02/20/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. 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 though 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.

2. Claims 1,4-6,9,11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Emerling et al., (U.S. Patent No. 6,719,343) in view of Kitano et al., (U.S. Patent No. 6,724,317).

As per claims 1,9 Emerling discloses a video system (In fig.21 element 322 and in col. 8 lines 24-26) a having a base unit coupled to an internal support structure 9in fig.21 and 22 coupled to armrest position), wherein the base unit comprises a media player (In fig.22 and in col.8 lines 54-60) and a display mounted in a door pivotally connected to the base unit by a hinge (In fig.21 display unit 322 is connected with hinge element 339) and in a closed position concealing the media player (as shown in fig.20 and in col.8 lines 20-26).

Emerling does not show a base unit coupled to an internal headrest.

In the same field of endeavor, Kitano discloses a similar audio/video player system wherein a base unit coupled to an internal headrest (in fig.2 and in col.1 lines 57-60).

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have incorporated the teaching of having a display at the rear

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headrest as taught by Kitano with teaching of Emerling's because it would have allowed a single viewer with separate display player to choose and select specific program or movies or songs of a kind that a user feel comfortable.

3. Claims 2,10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Emerling et al., (U.S. Patent No. 6,719,343) in view of Kitano et al., (U.S. Patent No. 6,724,317) in further view of Meritt (U.S. patent No. 6,216,927).

As per claims 2,10 Neither Emerling nor Kitano shows a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

Meritt discloses a docking station (In fig.1 element 5) disposed between the base unit (element 16 In fig.1) and the internal headrest support structure (In fig.1 element 1), for selectively coupling (In fig.1 element 4 and 62) the video system to the internal headrest support structure (In fig.1), wherein the video system can be selectively un-coupled from the base unit.

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have combined the teaching of Meritt's with combined display device of Emerling's because it would have made a media player display device portable that can used inside of a car and outside of the car such as non driving time.

4. Claim 3, is rejected under 35 U.S.C. 103(a) as being unpatentable over Emerling et al., (U.S. Patent No. 6,719,343) in view of Kitano et al., (U.S. Patent No. 6,724,317) in further view Leapman et al., (US 20030198008).

As per claim 3, Neither Emerling nor Kitano discloses a clamshell type display device.

Leapman shows a clamshell type display device (see section 0005).

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have teaching of clamshell display device as taught by Leapman's into combined display system of Emerling's because it would have communicated without wires in either the coupled or uncoupled as a media player or display device.

As per claims 4,13 Emerling discloses video display device having the hinge is a swivel-hinge (In fig.21 element 339 read as a swivel hinge).

As per claims 5,12 Emerling shows the video system having a wireless transmitter (In col.7 lines 16-20).

As per claims 6,14 Emerling shows video display device having a port connecting to an external device (in fig.16 element 272 and In col.7 lines 16-17).

As per claim 11, Emerling shows the video system is a slot type device (in fig.13 and 14).

5. Claims 7,8,15,16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Emerling et al., (U.S. Patent No. 6,719,343) in view of Kitano et al., (U.S. Patent No. 6,724,317) in further view of Meritt (U.S. patent No. 6,216,927) in further view of Helot (US 20010001083).

As per claims 7,8 Neither combined display system of Emerling, Kitano and Meritt not merit disclose a power source coupled to the docking station, the docking

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station providing power to a coupled video system and the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

Helot shows a power source coupled to the docking station (in fig.1 element 10 docking station has power source element 40), the docking station providing power to a coupled video system (docking system providing power via element 21 In fig.1) and the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array (In fig.1 element 21 is pin socket which connected to personal computer or display and In section 0026).

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have allowed the teaching of Helot's into combined display system of Emerling's because it would have provided a portable device which could be used as a portable device outside home of office and used inside of working environment using a docking station to use power when portable station needed more power or charging needs.

6. Claims 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meritt (U.S. Patent No. 6,216,927) in view of Helot (US 20010001083).

As per claim 17, Meritt disclose a docking station adapted to secure a portable video system (In fig.1 element 13) having a means for securing the docking station to an internal headrest support structure (In fig.1 element 25); a means for securing the portable video system to the docking station (In fig.1 element 62)

Meritt does not show a pin array for providing power to a secured portable video system.

Helot disclose a pin array for providing a power to portable video system (In fig.1 element 21 is connected to portable device and having a power through element 40).

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have incorporated the teaching of Helot's with display system of Meritt's because it would have provided a portable device that can be used inside or outside work or entertainment area without too many hardware component.

As per claims 18,19 Meritt does not specifically show a pin array carries a signal between the removable video unit with an external device and one of the signal is an audio and video signal.

Helot discloses a pin array configuration for docking a portable device with video unit (in fig.1 element 21 and In fig.9 element 66), Helot does not disclose a pin array signal is an audio and video signal, it would have been obvious to one of ordinary skill in the art, that a pin connector is consists of multiple pins that carry different signal and data with pin configuration would have been obvious choice that one o of the pins could have used to carry audio or video signal.

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have combined the teaching of Helot's pin array configuration for docking video system with display device of Meritt's because it would have made portable device that can works both environment that user can use portable device or with docking station.

As per claim 20, Meritt shows base unit with a cover is secured to the docking station in the absence of the portable video system (In fig.12).

Double Patenting

7. Claims 1-20 is rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-65 of U.S. Patent No. 6,899,365 in view of Kitano.

As per claim 1, Lavelle disclose a base unit comprise a media source (Col.9 lines 1-5) and a display mounted in a door pivotally connected to the base unit by a hinge (In col.10 lines 25-26 and 30-32) and in a closed position concealing the media player

Although Lavelle teaches the housing coupled to the inner portion of a seat, he does not specifically disclose it coupled to internal headset. In the same field of endeavor, Kitano discloses a similar audio/video player system wherein a base unit coupled to an internal headrest (in fig.2 and in col.1 lines 57-60).

It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to have incorporated the teaching of having a display at the rear headrest as taught by Kitano with teaching of Emerling's because it would have allowed a single viewer with separate display player to choose and select specific program or movies or songs of a kind that a user feel comfortable.

Regarding claim 5, claim 49 Lavelle teaches wireless transmitter.

As per claim 3-4 the examiner has addressed the various limitations of the claims in the art rejection above and is not repeated here to avoid duplication. The examiner

Art Unit: 2673

takes official notice that it is well known to a person skilled in the art to incorporate the video system of Lavelle with a clamshell type device or the hinge to be a swivel-hinge because such a modification provides versatility as well as a matter of design choice. It fails to patentably distinguish over prior art absent some novel teaching or unexpected result.

As per claims 2, see claim 22 of Lavelle.

As per claim 6-8, see claims 3-21 of Lavelle.

As per claim 9, see claim 1 of Lavelle.

As per claims 9-20 see claims of Lavelle patent claims.

8. Claims 1-20 provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-45 of copending Application No. US 20040227696. Although the conflicting claims are not identical, they are not patentably distinct from each other because.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claims 1-20 are rejected in view of Schedivy (US 20040227696) application claims 1-45.

Schedivy discloses a base unit coupled to headrest support structure wherein the base unit having a media player and a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player (In claim 1 of '696) and clamshell type device (in claim 2) and swivel hinge (in claim 14) and wireless transmitter(In claim 4).

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. 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).

NP



September 29, 2005

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>NP</i>	D438,853	3/13/01	lino	D14	136	
<i>NP</i>	4,756,528	7/12/88	Umashankar	273	1	
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER <i>NP</i>	DATE CONSIDERED 9-20-05
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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<i>NH</i>	2003/0184137 A1	10/2/03	Jost	297	219.1	—

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(Form PTO-1449 [6-4])

Notice of References Cited	Application/Control No. 10/438,724	Applicant(s)/Patent Under Reexamination SCHEDIVY, GEORGE C.	
	Examiner Nitin Patel	Art Unit 2673	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
	A	US-2004/0227696	11-2004	Schedivy, George C.	345/007
	B	US-6,899,365	05-2005	Lavelle et al.	296/37.15
	C	US-2001/0001083	05-2001	Helot, Jacques H.	439/131
	D	US-2003/0198008	10-2003	Leapman et al.	361/681
	E	US-6,216,927	04-2001	Meritt, Ronald	224/275
	F	US-6,724,317	04-2004	Kitano et al.	340/691.1
	G	US-6,719,343	04-2004	Emerling et al.	296/24.34
	H	US-2002/0186531	12-2002	Pokharna et al.	361/687
	I	US-2003/0021086	01-2003	Landry et al.	361/683
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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	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.

Search Notes



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2673

SEARCHED

Class	Subclass	Date	Examiner
296	24.1	9/15/15	
296	37-8		MP
340	691.1		
340	461		
340	435		
224	275		
224	929		
224	572		
439	131		
361	681		
361	683		
386	46		

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
EAST SEARCH	9-15-15	MP
BHUBESH MEHTA	9-20-15	MP
AMARE MENIGISTU	9-20-15	MP

Index of Claims



Application/Control No.

10/438,724

Examiner

Nitin Patel

Applicant(s)/Patent under Reexamination

SCHEDIVY, GEORGE C.

Art Unit

2673

✓	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date	Claim		Date	Claim		Date
Final	Original		Final	Original		Final	Original	
	1			51			101	
	2			52			102	
	3			53			103	
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PLUS Search Results for S/N 10438724, Searched August 23, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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6170048	6239970

ITJ

PATENT

Atty. Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): George C. Schedivy

SERIAL NO.: 10/438,724

FILED: May 15, 2003

DATED: March 14, 2005

FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 14, 2005.

Dated: March 14, 2005



Michael F. Morano

The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- This information disclosure statement is being filed within three (3) months of the filing date of this application.
- This information disclosure statement is being filed concurrently with the Request for Continued Examination (RCE) attached herewith
- This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- Statement under 37 C.F.R. § 1.97(e):
I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this statement.
- Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
 - Enclosed by check is the petition fee of \$130.00. 37 C.F.R. §1.17(i)(1))
- Please charge the \$130.00 petition fee to Deposit Account No. 50-0679.

- Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-0679. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



Michael F. Morano
Reg. No. 44,952
Attorney for Applicant(s)

F. CHAU & ASSOCIATES, LLC
130 Woodbury Road
Woodbury, New York 11797
(516) 692-8888
(516) 692-8889 (FAX)

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 8002A-80	SERIAL NO. 10/438,724
	APPLICANT George C. Schedivy	
	FILING DATE May 15, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

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	PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
						YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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	Filing Date	May 15, 2003
	First Named Inventor	George C. Schedivy
	Art Unit	
	Examiner Name	
	Attorney Docket Number	8002A-80

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Applicant/Inventor

Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

Attorney or Agent of record. Registration Number 44,952

Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed Name Michael F. Morano

Signature *Michael F. Morano*

Date March 14, 2005 Telephone (516) 692-8888

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 _____ forms are submitted.

This collection of information is required by 37 CFR 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 1.14. 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.**

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Image

Image

2643

PATENT

Atty. Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): George C. Schedivy

SERIAL NO.: 10/438,724

FILED: May 15, 2003

DATED: February 18, 2004

FOR: HEADREST MOUNTABLE VIDEO SYSTEM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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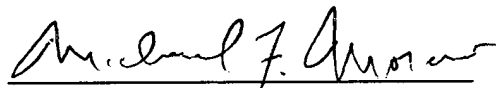
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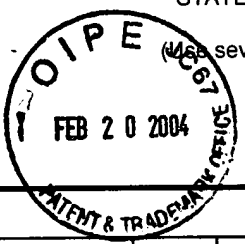
Respectfully submitted,



Michael F. Morano
Reg. No. 44,952
Attorney for Applicant(s)

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1900 Hempstead Turnpike
Suite 501
East Meadow, New York 11554
(516) 357-0091
(516) 357-0092 (FAX)

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED
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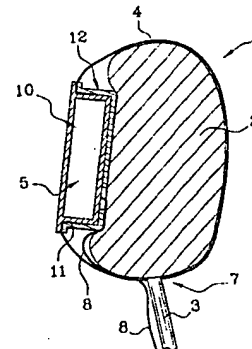
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⑤4 PROCEDE DE MONTAGE D'UN BOITIER SUR UN COUSSIN MUNI D'UNE HOUSSE D'HABILLAGE, HOUSSE
D'HABILLAGE EQUIPEE D'UN BOITIER ET LE COUSSIN REVETU DE CETTE HOUSSE.

⑤7 La présente invention concerne un procédé de monta-
ge d'un boîtier (5), genre console intégrale de jeu, simple
écran pour lecteur DVD ou pour console de jeu, haut-
parleur ou autre..., sur un coussin (2) type appui-tête ou
dossier de siège, revêtu d'une housse d'habillage (4).
Ce procédé est caractérisé par le fait qu'il consiste à
fixer le boîtier (5) directement sur la housse d'habillage (4),
avant de monter ladite housse (4) sur le coussin (2).



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La présente invention concerne un procédé de montage d'un boîtier, genre console intégrale de jeu, simple écran pour lecteur DVD ou pour console de jeu, haut-parleur ou autre ..., sur un coussin type appui-tête ou dossier de siège revêtu d'une housse d'habillage ; elle concerne également la housse d'habillage équipée du boîtier, pour la mise en œuvre de ce procédé, ainsi que le coussin revêtu de cette housse d'habillage.

Les appui-tête ou les parties supérieures des dossiers de sièges de véhicules automobiles, de trains, voire même d'avions, sont parfois équipés de boîtiers vidéo du genre console intégrale de jeu, simple écran de console de jeu, écran LCD pour lecteur DVD, ou autres ... permettant à la personne placée derrière le siège ainsi équipé, par exemple de visionner un film, de visualiser des informations publicitaires notamment par liaison radio, de jouer, voire même d'accéder au réseau Internet.

Les coussins correspondants sont constitués d'un bloc de mousse synthétique recouvert d'une housse d'habillage en tissu, cuir ou matière plastique. Ils sont structurés et préparés de manière adaptée pour recevoir, in fine, le boîtier vidéo ; en particulier, ils comportent un logement d'encastrement du boîtier et un socle de fixation intégré.

Cependant, ces particularités compliquent sensiblement la fabrication des coussins correspondants, notamment du fait de la nécessité de prévoir des moyens de fixation internes, et aussi à cause de la préparation particulière de la housse d'habillage nécessaire pour permettre la réception du boîtier vidéo et l'obtention d'une finition de qualité. Dans tous les cas, les coussins de réception doivent être conçus ou modifiés spécifiquement pour permettre l'adaptation du boîtier.

La présente invention a pour but de simplifier le montage de ce genre de boîtier sur le coussin de réception et de proposer des moyens permettant de standardiser l'équipement de ces coussins.

Le procédé conforme à la présente invention consiste à fixer le boîtier directement sur la housse d'habillage, avant de monter ladite housse sur le coussin de réception.

De préférence, la fixation du boîtier s'effectue par une prise en sandwich de la housse d'habillage entre ledit boîtier et une structure rigide rapportée, positionnée contre la face interne de ladite housse.

5 Toujours selon une forme de réalisation préférée, le procédé conforme à la présente invention consiste à aménager une ouverture de forme et de dimensions appropriées dans la housse d'habillage, puis à fixer le boîtier sur cette housse par prise en sandwich de la bordure périphérique de ladite ouverture entre ledit boîtier et la structure rigide rapportée positionnée contre la face interne de ladite housse.

10 Le boîtier peut être encastré à force dans la structure interne rapportée qui se présente sous la forme d'un cadre. Il peut aussi être solidarisé avec cette structure rapportée, par des moyens mécaniques appropriés. On peut également prévoir la présence d'une structure rapportée en forme de cadre venant se positionner sur le pourtour du boîtier et munie de moyens de serrage sur ledit boîtier. On peut encore envisager de fixer la structure rigide rapportée sur la face
15 interne de la housse d'habillage, puis de fixer le boîtier sur ladite structure rapportée, tout en venant de préférence prendre en sandwich la housse d'habillage entre ledit boîtier et ladite structure.

20 Selon une variante de réalisation, on peut fixer directement, par collage ou autre, la bordure périphérique d'une ouverture réalisée dans la housse d'habillage, sur le pourtour du boîtier, et en particulier sur une collerette débordante de ce boîtier.

L'invention concerne aussi la housse pour l'habillage d'un coussin type appui-tête ou dossier de siège, sur laquelle est fixé un boîtier, et en particulier un boîtier vidéo, pour la mise en œuvre du procédé détaillé ci-dessus.

25 Cette housse d'habillage est de préférence équipée d'un boîtier qui coopère avec une structure rigide rapportée, disposée contre la face interne de ladite housse, pour la fixation dudit boîtier sur la bordure périphérique d'une ouverture aménagée au préalable dans ladite housse.

30 Le boîtier comporte avantageusement une collerette débordante qui s'étend dans le plan ou sensiblement dans le plan de sa face frontale, laquelle collerette coopère avec la structure rapportée en forme de cadre pour prendre en sandwich la bordure périphérique de l'ouverture aménagée dans la housse.

La structure rapportée peut se présenter sous la forme d'un cadre plan ou d'un cadre tubulaire. Dans ce dernier cas, elle peut comporter une collerette débordante au niveau de sa bordure frontale ; la bordure arrière de ce cadre peut aussi se prolonger par un fond dans lequel est aménagée une ouverture pour le passage du ou des câble(s) d'alimentation du boîtier.

Le boîtier peut être solidarisé avec la structure rapportée par des moyens d'encliquetage ou par des moyens mécaniques rapportés, du type vis ou clips de serrage.

Mais l'invention sera encore illustrée, sans être aucunement limitée, par la description suivante de différents modes de réalisation, donnés uniquement à titre d'exemples et représentés sur les dessins annexés dans lesquels :

- la figure 1 est une vue schématique, en coupe et de côté, qui illustre le montage conforme à la présente invention d'un boîtier sur un appui-tête de siège ;
- la figure 2 est une vue de face qui montre la découpe réalisée dans la housse d'habillage pour la réception du boîtier vidéo ;
- la figure 3 est une vue schématique qui montre les différents éléments du montage de la figure 1, avant leur assemblage ;
- la figure 4 est une vue schématique qui illustre la fixation du boîtier vidéo sur la housse d'habillage, avant le montage de celle-ci sur le coussin d'appui-tête ;
- les figures 5 à 10 sont des vues schématiques partielles qui illustrent différents modes de montage possibles du boîtier sur la housse d'habillage.

La figure 1 représente un ensemble appui-tête 1, vu en coupe et de côté, constitué d'un coussin de mousse synthétique 2 muni de tiges 3 qui permettent son ancrage sur le dessus d'un dossier de siège. Les tiges d'ancrage 3 sont fixées de manière classique sur un socle support, non représenté, intégré dans le coussin de mousse 2.

Le coussin de mousse 2 est revêtu d'une housse d'habillage 4 en matière appropriée, par exemple tissu, cuir ou matière plastique, sur laquelle est fixé un boîtier 5, en particulier un boîtier vidéo.

Ce boîtier 5 est disposé sur la face arrière de l'appui-tête 1 ; il peut consister en une console intégrale de jeu ; il peut aussi s'agir d'un simple écran, par exemple un écran LCD, relié à une console électronique, notamment un lecteur DVD, une console de jeu ou autre...

La structure de housse 4 est conformée pour venir épouser au mieux les contours du coussin 2. De manière classique, elle comporte une ouverture inférieure 7 qui permet son positionnement sur le coussin 2, laquelle ouverture 7 est associée à des organes de fermeture amovible genre élastiques ou bandes auto-agrippantes par exemple.

Conformément à la présente invention, le boîtier vidéo 5 est fixé sur la housse d'habillage 4 avant le positionnement de celle-ci sur le coussin 2.

La face avant du boîtier 5 se situe dans le prolongement ou sensiblement dans le prolongement de la surface de recouvrement de la housse, et sa face arrière vient se plaquer contre la face dorsale du coussin de mousse 2, qui peut légèrement se déformer à ce niveau en fonction de la pression appliquée.

On comprend dès lors que le coussin de mousse 2 peut être un coussin standard ou quasi standard d'appui-tête.

Si besoin est, une simple réservation peut être aménagée dans la face dorsale de ce coussin, pour intégrer au moins en partie l'épaisseur du boîtier 5.

Dans tous les cas, le boîtier 5 est fermement maintenu en place par la tension de la housse 4 qui se plaque contre le coussin 2.

Le ou les éventuels câbles 8 qui assurent l'alimentation du boîtier vidéo passent par l'ouverture 7 aménagée dans la partie inférieure de la housse 4 ; ils peuvent ensuite longer l'une des tiges d'ancrage 3 de l'appui-tête, puis pénétrer dans le dossier de siège pour rejoindre la source d'alimentation. On notera ici que si le boîtier 5 consiste en un simple écran, la liaison de cet écran avec la console électronique (type lecteur DVD par exemple) peut être réalisée soit par des câbles, soit par liaison radio.

La fixation du boîtier 5 sur la housse 4 s'effectue par tout moyen approprié.

De préférence, on aménage une ouverture ou découpe 10 dans la housse 4, dont la forme et les dimensions sont adaptées à celles du boîtier 5 ; et on fixe ce boîtier par prise en sandwich de la bordure périphérique 11 de ladite ouverture 10, entre ledit boîtier 5 et une structure rigide rapportée 12, positionnée du côté de la face interne de la housse 4.

Ce type de fixation particulier est détaillé sur les figures 2 à 4.

Le boîtier 5 illustré sur les figures consiste en un boîtier de forme générale parallélépipédique avec une face avant 14, une face arrière 15 et quatre parois de côté 16. Ces quatre parois 16 forment ensemble une structure d'encadrement. Le boîtier 5 comporte encore un rebord périphérique, ou collerette débordante 17 qui s'étend en saillie dans le prolongement de la face avant 14 ; ce rebord périphérique 17 s'étend perpendiculairement ou sensiblement perpendiculairement aux parois de côté 16.

La figure 2 illustre l'ouverture 10 réalisée dans la housse 4 pour la réception du boîtier 5. On remarque ici l'encombrement général rectangulaire du boîtier illustré par la ligne de pointillés 18. L'ouverture 10 correspond à une découpe rectangulaire 19 de dimensions plus petites que l'encombrement général du boîtier, associée à quatre lignes de coupe 20 qui prolongent les angles.

On obtient ainsi quatre volets de matière 22 constituant ensemble la bordure périphérique 11 de l'ouverture 10, susceptibles d'être pris en sandwich entre le boîtier 5 et la structure interne rapportée 12.

Sur les figures 1, 3 et 4, cette structure rapportée 12 consiste en un cadre tubulaire 24, ici de forme parallélépipédique, dont les dimensions générales sont très légèrement supérieures à celles de la structure d'encadrement formée par les quatre parois latérales 16 du boîtier 5.

La bordure frontale de ce cadre 24 comporte ici une collerette périphérique débordante 25 ; sa bordure arrière se prolonge par un élément de fond 26. On remarque la présence d'un orifice 27 aménagé dans le fond 26 de la structure rapportée 12, pour le passage du ou des câbles d'alimentation 8 du boîtier 5.

L'assemblage des différentes pièces s'effectue en positionnant le boîtier 5 et la structure rapportée 12 en regard de l'ouverture 10 de la housse 4, respectivement côté extérieur et côté intérieur (figure 3).

Il suffit ensuite d'encaster le boîtier 5 dans la structure rapportée 12 tout en pinçant la bordure périphérique 11 de l'ouverture 10 de la housse pour obtenir un assemblage convenable.

Les pans ou volets de matière 22 qui forment la bordure périphérique 11 de l'ouverture 10 de la housse sont pris en sandwich, d'une part, entre les deux cadres parallélépipédiques 16 et 24, et d'autre part, entre le rebord 17 et la collerette 25, respectivement du boîtier 5 et de la structure rapportée 12. Cette

prise en sandwich ou ce pincement permet d'assurer un maintien correct du boîtier 5 sur la housse d'habillage 4.

Le fond 15 du boîtier 5 vient en contact ou pratiquement en contact avec l'élément de fond 26 de la structure rapportée 12.

5 Bien entendu, au cours de cet assemblage, on prend soin de passer le ou les câbles d'alimentation 8 dans l'orifice 27 de la structure rapportée 12, de manière à assurer son ou leur intégration dans la housse 4.

L'assemblage du boîtier 5 avec la structure rapportée 12 et la housse 4 peut s'effectuer par simple encastrement à force.

10 Cet assemblage peut aussi être réalisé au moyen d'organes d'encliquetage appropriés, dont une forme de réalisation possible est illustrée schématiquement en 28, sur la figure 5, ou encore au moyen d'organes de solidarisation rapportés, type vis ou clips de serrage 29, tel qu'illustré sur la figure 6.

15 Sur cette figure 6, les vis ou clips de serrage 29 assemblent les éléments de fond 15 et 26, respectivement du boîtier 5 et de la structure rapportée 12 ; on peut aussi envisager d'assembler de cette manière les deux cadres 16 et 24, ou encore les deux structures débordantes 17 et 25.

20 Dans une variante de réalisation illustrée sur la figure 7, la structure rapportée peut se présenter sous la forme d'un simple cadre tubulaire parallélépipédique 12'. Là encore, l'assemblage des différents éléments peut être réalisé par simple encastrement à force, par tout moyen d'encliquetage approprié, ou par des éléments de solidarisation rapportés type vis, clips ou autres. On peut aussi envisager d'utiliser un cadre ouvert, s'apparentant à un cerclage, associé à des moyens qui permettent son serrage sur le boîtier 5.

25 Comme cela apparaît sur la figure 8, la structure rapportée peut encore se présenter sous la forme d'un cadre plan 12'' venant prendre en sandwich la housse 4, en association avec le rebord périphérique 17 du boîtier 5.

30 Dans une autre forme de réalisation possible, illustrée sur la figure 9, la bordure frontale de la structure rapportée 12''' peut être fixée sur la face interne de la housse 4, avant la solidarisation entre ladite structure rapportée 12''' et le boîtier 5. Dans ce cas, la fixation de la bordure périphérique 11 de l'ouverture 10 de la housse 4 sur la structure rapportée 12''' peut par exemple être réalisée par

collage, au moyen d'une colle appropriée ou au moyen d'une technique de thermofusion.

La solidarisation entre la structure rapportée 12''' et le boîtier 5 peut ici encore être réalisée par tous moyens appropriés tels que ceux énumérés et présentés ci-

5 avant.

Lors de la solidarisation entre le boîtier 5 et la structure rapportée 12''', on vient de préférence encore pincer la housse d'habillage 4 pour optimiser l'assemblage des différents éléments.

Dans une autre variante de réalisation possible, schématisée sur la figure

10 10, la bordure périphérique 11 de l'ouverture 10 de la housse peut être directement fixée par collage ou autre, sur la collerette 17 du boîtier 5 ; cela permet alors de se dispenser de la présence d'une structure rapportée 12.

En fonction de la technique retenue, si cela permet de faciliter les manipulations, la fixation du boîtier 5 sur la housse 4 peut être réalisée après

15 retournement de ladite housse sur elle-même.

Une fois la housse d'habillage 4 équipée du boîtier 5, celle-ci peut être montée sur le coussin d'appui-tête 2 d'une manière tout-à-fait classique.

Le montage d'un boîtier sur une housse de dossier de siège peut être réalisé d'une manière similaire, en vue d'équiper la partie supérieure du dossier de

20 siège.

On notera encore que le principe de montage faisant l'objet de la présente invention peut être appliqué pour l'adaptation sur la housse d'habillage de hauts-parleurs, support(s) de télécommande ou autres dispositifs du même genre.

- REVENDICATIONS -

1.- Procédé de montage d'un boîtier (5), genre console intégrale de jeu, simple écran pour lecteur DVD ou pour console de jeu, haut-parleur ou autre ..., sur un coussin (2) type appui-tête ou dossier de siège, revêtu d'une housse d'habillage (4), caractérisé en ce qu'il consiste à fixer ledit boîtier (5) directement sur la housse d'habillage (4) avant de monter ladite housse (4) sur ledit coussin (2).

2.- Procédé selon la revendication 1, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) du coussin (2) par prise en sandwich de ladite housse (4) entre ledit boîtier (5) et une structure rigide rapportée (12, 12', 12'', 12''') positionnée contre la face interne de ladite housse (4).

3.- Procédé selon l'une quelconque des revendications 1 ou 2, caractérisé en ce qu'il consiste :

- à aménager une ouverture (10) de forme et de dimensions appropriées dans la housse d'habillage (4), puis

- à fixer le boîtier (5) sur ladite housse (4) par prise en sandwich de la bordure périphérique (11) de ladite ouverture (10) entre ledit boîtier (5) et une structure rigide rapportée (12, 12', 12'', 12''') positionnée contre la face interne de ladite housse (4).

4.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse (4) par encastrement dudit boîtier (5) dans une structure rapportée (12, 12', 12'', 12''') en forme de cadre, puis en solidarissant ledit boîtier (5) avec ladite structure rapportée, par des moyens mécaniques appropriés (28, 29).

5.- Procédé selon l'une quelconque des revendications 1 à 4, caractérisé en ce qu'il consiste à fixer une structure rigide rapportée (12''') sur la face interne de la housse d'habillage (4), puis à fixer le boîtier (5) sur ladite structure rapportée (12''') tout en venant de préférence prendre en sandwich la housse d'habillage (4) entre ledit boîtier (5) et ladite structure (12''').

6.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) au moyen d'une structure rapportée (12') en forme de cadre qui vient se positionner sur le pourtour dudit boîtier (5) et qui est muni de moyens de serrage sur ledit boîtier (5).

7.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) par encastrement à force dudit boîtier (5) dans la structure interne rapportée (12, 12', 12''), en forme de cadre.

5 8.- Procédé selon la revendication 1, caractérisé en ce qu'il consiste à fixer directement la bordure périphérique (11) d'une ouverture (10) réalisée dans la housse (4) sur le pourtour du boîtier (5) et en particulier sur une collerette débordante (17) de ce boîtier.

10 9.- Housse pour l'habillage d'un coussin (2) type appui-tête ou dossier de siège, sur laquelle est fixé un boîtier (5), pour la mise en œuvre du procédé selon l'une quelconque des revendications 1 à 8.

15 10.- Housse d'habillage selon la revendication 9, caractérisée en ce qu'elle est munie d'un boîtier (5) coopérant avec une structure rigide rapportée (12, 12', 12'', 12''') disposée contre la face interne de la housse (4), pour la fixation dudit boîtier (5) sur la bordure périphérique (11) d'une ouverture (10) aménagée dans ladite housse (4).

20 11.- Housse d'habillage selon la revendication 10, caractérisée en ce qu'elle comporte un boîtier (5) muni d'une collerette débordante (17) qui s'étend dans le plan ou sensiblement dans le plan de sa face frontale (14), laquelle collerette (17) coopère avec la structure rapportée en forme de cadre (12, 12', 12'', 12''') pour prendre en sandwich la bordure périphérique (11) de l'ouverture (10) aménagée dans ladite housse (4).

25 12.- Housse d'habillage selon l'une quelconque des revendications 10 ou 11, caractérisée en ce qu'elle comporte une structure rapportée (12'') en forme de cadre plan.

13.- Housse d'habillage selon l'une quelconque des revendications 10 ou 11, caractérisée en ce qu'elle comporte une structure rapportée (12, 12', 12''') en forme de cadre tubulaire.

30 14.- Housse d'habillage selon la revendication 13, caractérisée en ce qu'elle comporte une structure rapportée (12, 12''') en forme de cadre muni d'une collerette débordante (25) au niveau de sa face frontale.

15.- Housse d'habillage selon l'une quelconque des revendications 13 ou 14, caractérisée en ce qu'elle comporte une structure rapportée (12, 12''') en

forme de cadre muni d'un fond (26) au niveau de sa bordure arrière, dans lequel fond (26) est aménagée une ouverture (27) pour le passage du ou des câbles (8) d'alimentation du boîtier (5).

5 16.- Housse d'habillage selon l'une quelconque des revendications 9 à 15, caractérisée en ce qu'elle comporte un boîtier (5) solidarisé avec la structure rapportée (12, 12', 12'', 12''') par des moyens d'encliquetage (28).

10 17.- Housse d'habillage selon l'une quelconque des revendications 9 à 15, caractérisée en ce qu'elle comporte un boîtier (5) solidarisé avec la structure rapportée (12, 12', 12'', 12''') au moyen d'organes de fixation rapportés (29) type vis ou clips de serrage.

18.- Housse d'habillage selon la revendication 9, caractérisée en ce qu'elle comporte une ouverture (10) sur la bordure périphérique (11) de laquelle est directement fixé, par collage ou autre, le pourtour du boîtier (5) et en particulier une collerette (17) débordante de ce boîtier.

15 19.- Coussin type appui-tête ou dossier de siège revêtu d'une housse d'habillage (4) selon l'une quelconque des revendications 9 à 18.

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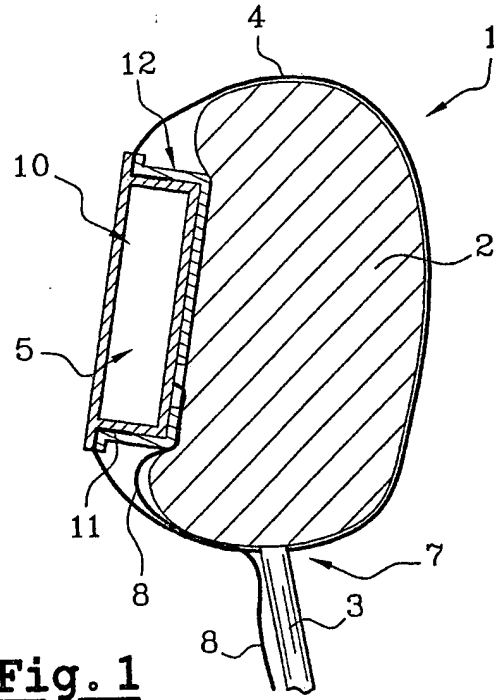


Fig. 1

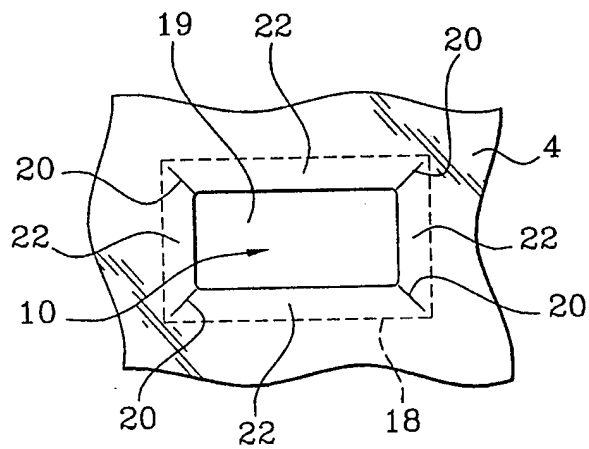
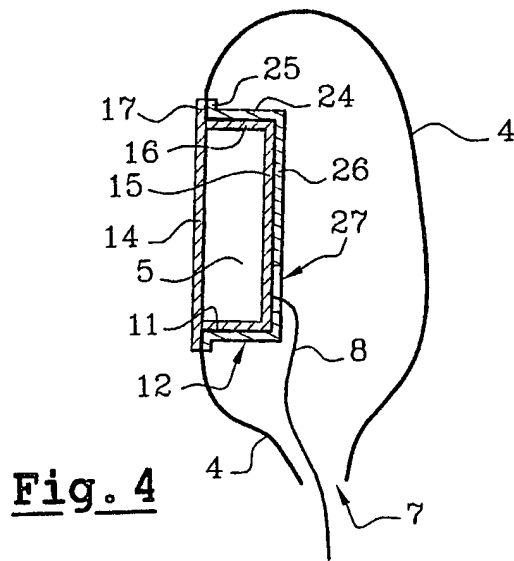
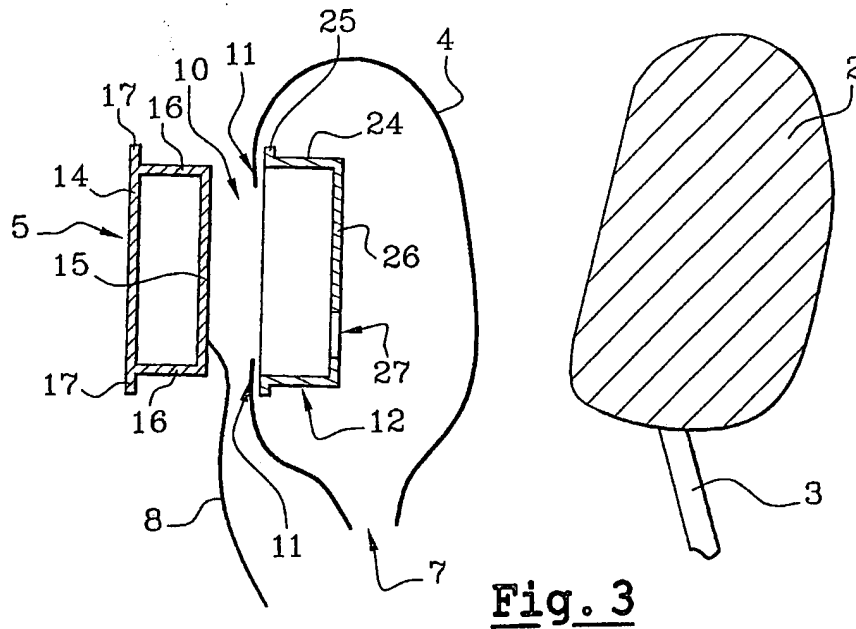


Fig. 2



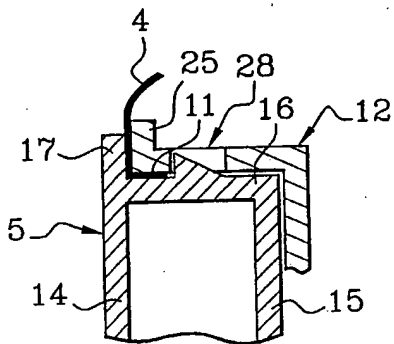


Fig. 5

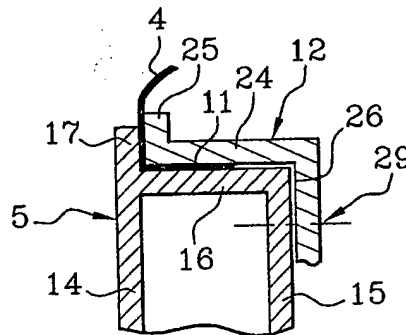


Fig. 6

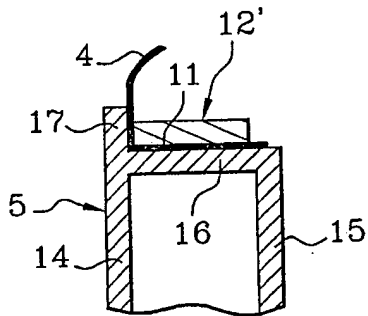


Fig. 7

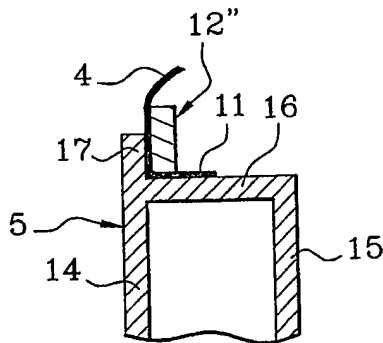


Fig. 8

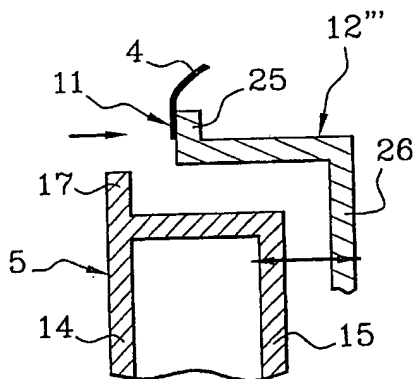


Fig. 9

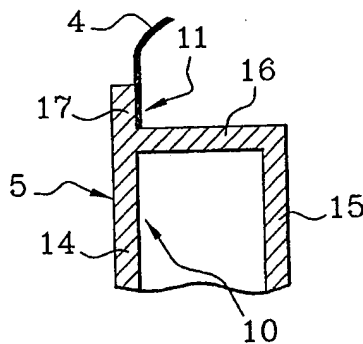


Fig. 10



2829980

N° d'enregistrement national

RAPPORT DE RECHERCHE PRÉLIMINAIRE

établi sur la base des dernières revendications déposées avant le commencement de la recherche

FA 608351
FR 0112359

DOCUMENTS CONSIDÉRÉS COMME PERTINENTS		Revendication(s) concernée(s)	Classement attribué à l'invention par l'INPI
Catégorie	Citation du document avec indication, en cas de besoin, des parties pertinentes		
A	US 4 647 980 A (BUTLER ROBERT F ET AL) 3 mars 1987 (1987-03-03) * colonne 4, ligne 50 - colonne 5, ligne 3 * * figures 5,7 *	1,9,19	B60R11/02 B60N2/58
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			DOMAINES TECHNIQUES RECHERCHÉS (Int.Cl.7)
			B60R B64D B60N H04R
		Date d'achèvement de la recherche	Examineur
		27 JUIN 2002	COCHIN, D
CATÉGORIE DES DOCUMENTS CITÉS X: particulièrement pertinent à lui seul Y: particulièrement pertinent en combinaison avec un autre document de la même catégorie A: arrière-plan technologique O: divulgation non-écrite P: document intercalaire		T: théorie ou principe à la base de l'invention E: document de brevet bénéficiant d'une date antérieure à la date de dépôt et qui n'a été publié qu'à cette date de dépôt ou qu'à une date postérieure. D: cité dans la demande L: cité pour d'autres raisons &: membre de la même famille, document correspondant	

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EPO FORM 1503 12.98 (P04) 4)

**ANNEXE AU RAPPORT DE RECHERCHE PRÉLIMINAIRE
RELATIF A LA DEMANDE DE BREVET FRANÇAIS NO. FR 0112359 FA 608351**

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche préliminaire visé ci-dessus.
Les dits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du 17-06-2002.
Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets, ni de l'Administration française

Document brevet cité au rapport de recherche	Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US 4647980 A	03-03-1987	AT 61188 T	15-03-1991
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Pour tout renseignement concernant cette annexe : voir Journal Officiel de l'Office européen des brevets, No.12/82

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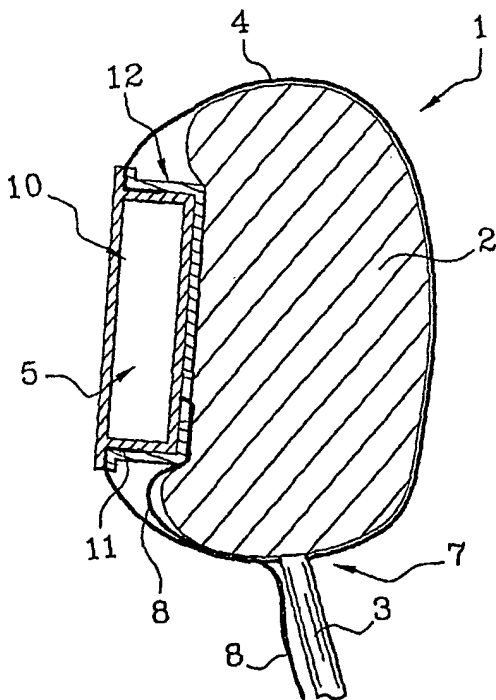
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- (51) Classification internationale des brevets⁷ : B60R 11/02 (72) Inventeur; et
(21) Numéro de la demande internationale : PCT/EP02/10190 (75) Inventeur/Déposant (pour US seulement) : JOST, Gilbert [LU/LU]; 76 rue Haard, L-4970 BETTANGE/MESS (LU).
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- (25) Langue de dépôt : français (81) États désignés (national) : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (26) Langue de publication : français
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- (71) Déposant (pour tous les États désignés sauf US) : SEVIC SYSTEM AG [DE/DE]; Hermannstrasse 43, 56564 Neuwied (DE).

[Suite sur la page suivante]

(54) Title: METHOD FOR MOUNTING A HOUSING ON A CUSHION, CUSHION COVER EQUIPPED WITH A HOUSING AND CUSHION COVERED WITH SAME

(54) Titre : PROCÉDE DE MONTAGE D'UN BOÏTIER SUR UN COUSSIN, HOUSSE D'HABILLAGÉ EQUIPÉE D'UN BOÏTIER ET LE COUSSIN REVÊTU DE CETTE HOUSSE



(57) Abstract: The invention concerns a method for mounting a housing (5), such as an integral game console, a simple screen for DVD player or for game console, loudspeaker or the like, on a cushion (2) such as a headrest or seat back, enclosed with a cushion cover (4). Said method is characterized in that it consists in fixing the housing (5) directly on the cushion cover (4), before mounting said cushion cover (4) on the cushion (2).

(57) Abrégé : La présente invention concerne un procédé de montage d'un boîtier (5), genre console intégrale de jeu, simple écran pour lecteur DVD ou pour console de jeu, haut-parleur ou autre ... , sur un coussin (2) type appui-tête ou dossier de siège, revêtu d'une housse d'habillage (4). Ce procédé est caractérisé par le fait qu'il consiste à fixer le boîtier (5) directement sur la housse d'habillage (4), avant de monter ladite housse (4) sur le coussin (2).

WO 03/029050 A1



(84) États désignés (régional) : brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), brevet eurasien (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet européen (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), brevet OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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En ce qui concerne les codes à deux lettres et autres abréviations, se référer aux "Notes explicatives relatives aux codes et abréviations" figurant au début de chaque numéro ordinaire de la Gazette du PCT.

PROCÉDÉ DE MONTAGE D'UN BOÎTIER SUR UN COUSSIN, HOUSSE
D'HABILLAGE ÉQUIPÉE D'UN BOÎTIER ET LE COUSSIN REVÊTU DE CETTE
HOUSSE

5 La présente invention concerne un procédé de montage d'un boîtier, genre console intégrale de jeu, simple écran pour lecteur DVD ou pour console de jeu, haut-parleur ou autre ..., sur un coussin type appui-tête ou dossier de siège ; elle concerne également la housse d'habillage équipée du boîtier, pour la mise en œuvre de ce procédé, ainsi que le coussin revêtu de cette housse d'habillage.

10 Les appui-tête ou les parties supérieures des dossiers de sièges de véhicules automobiles, de trains, voire même d'avions, sont parfois équipés de boîtiers vidéo du genre console intégrale de jeu, simple écran de console de jeu, écran LCD pour lecteur DVD, ou autres ... permettant à la personne placée derrière le siège ainsi équipé, par exemple de visionner un film, de visualiser des informations publicitaires notamment
15 par liaison radio, de jouer, voire même d'accéder au réseau Internet.

Les coussins d'appui-tête correspondants sont constitués d'un bloc de mousse synthétique recouvert d'une housse d'habillage en tissu, cuir ou matière plastique. Ils sont structurés et préparés de manière adaptée pour recevoir, in fine, le boîtier vidéo ; en particulier, ils comportent un logement d'encastrement du boîtier et un socle de
20 fixation intégré.

Cependant, ces particularités compliquent sensiblement la fabrication de ce genre de coussins, notamment du fait de la nécessité de prévoir des moyens de fixation internes, et aussi à cause de la préparation particulière de la housse d'habillage nécessaire pour permettre la réception du boîtier vidéo et l'obtention d'une
25 finition de qualité. Dans tous les cas, les coussins de réception doivent être conçus ou modifiés spécifiquement pour permettre l'adaptation du boîtier.

La présente invention a pour but de simplifier le montage de ce genre de boîtier sur le coussin de réception et de proposer des moyens permettant de standardiser l'équipement de ces coussins.

30 Le procédé conforme à la présente invention consiste à fixer le boîtier directement sur une housse d'habillage, puis à monter ladite housse sur le coussin de réception.

Bien entendu, le coussin en question peut déjà être revêtu d'une housse d'habillage d'origine avant de recevoir la housse équipée du boîtier.

On notera que le terme « boîtier » utilisé ici et dans la suite de la description signifie soit une structure monobloc en forme de console électronique, soit une structure en deux parties constituées d'une console électronique et d'un réceptacle d'encastrement amovible de cette console.

5 De préférence, la fixation du boîtier s'effectue par une prise en sandwich de la housse d'habillage entre ledit boîtier et une structure rigide rapportée, positionnée contre la face interne de ladite housse.

Toujours selon une forme de réalisation préférée, le procédé conforme à la présente invention consiste à aménager une ouverture de forme et de dimensions
10 appropriées dans la housse d'habillage, puis à fixer le boîtier sur cette housse par prise en sandwich de la bordure périphérique de ladite ouverture entre ledit boîtier et la structure rigide rapportée.

Le boîtier peut être encastré à force dans la structure interne rapportée qui se présente sous la forme d'un cadre. Il peut aussi être solidarisé avec cette structure
15 rapportée par des moyens mécaniques appropriés. On peut également prévoir la présence d'une structure rapportée en forme de cadre venant se positionner sur le pourtour du boîtier et munie de moyens de serrage sur ledit boîtier. On peut encore envisager de fixer la structure rigide rapportée sur la face interne de la housse d'habillage, puis de fixer le boîtier sur ladite structure rapportée, tout en venant de
20 préférence prendre en sandwich la housse d'habillage entre ledit boîtier et ladite structure.

Selon une variante de réalisation, on peut fixer directement, par collage ou autre, la bordure périphérique d'une ouverture réalisée dans la housse d'habillage, sur le pourtour du boîtier, et en particulier sur une collerette débordante de ce boîtier.

25 L'invention concerne aussi la housse pour l'habillage d'un coussin type appui-tête ou dossier de siège, sur laquelle est fixé un boîtier, et en particulier un boîtier vidéo, pour la mise en œuvre du procédé détaillé ci-dessus.

Cette housse d'habillage est de préférence équipée d'un boîtier qui coopère avec une structure rigide rapportée, disposée contre la face interne de ladite housse,
30 pour la fixation dudit boîtier sur la bordure périphérique d'une ouverture aménagée au préalable dans ladite housse.

Le boîtier comporte avantageusement une collerette débordante qui s'étend dans le plan ou sensiblement dans le plan de sa face frontale, laquelle collerette coopère avec la structure rapportée en forme de cadre pour prendre en sandwich la bordure
35 périphérique de l'ouverture aménagée dans la housse.

La structure rapportée peut se présenter sous la forme d'un cadre plan ou d'un cadre tubulaire. Dans ce dernier cas, elle peut comporter une collerette débordante au niveau de sa bordure frontale ; la bordure arrière de ce cadre peut aussi se prolonger par un fond dans lequel est aménagée une ouverture pour le passage du ou des

5 câble(s) d'alimentation du boîtier.

Le boîtier peut être solidarisé avec la structure rapportée par des moyens d'encliquetage ou par des moyens mécaniques rapportés, du type vis ou clips de serrage.

Mais l'invention sera encore illustrée, sans être aucunement limitée, par la

10 description suivante de différents modes de réalisation, donnés uniquement à titre d'exemples et représentés sur les dessins annexés dans lesquels :

- la figure 1 est une vue schématique, en coupe et de côté, qui illustre le montage conforme à la présente invention d'un boîtier sur un appui-tête de siège ;
- la figure 2 est une vue de face qui montre la découpe réalisée dans la housse

15 d'habillage pour la réception du boîtier vidéo ;

- la figure 3 est une vue schématique qui montre les différents éléments du montage de la figure 1, avant leur assemblage ;
- la figure 4 est une vue schématique qui illustre la fixation du boîtier vidéo sur la housse d'habillage, avant le montage de celle-ci sur le coussin d'appui-tête ;

20 - les figures 5 à 10 sont des vues schématiques partielles qui illustrent différents modes de montage possibles du boîtier sur la housse d'habillage.

La figure 1 représente un ensemble appui-tête 1, vu en coupe et de côté, constitué d'un coussin de mousse synthétique 2 muni de tiges 3 qui permettent son ancrage sur le dessus d'un dossier de siège. Les tiges d'ancrage 3 sont fixées de

25 manière classique sur un socle support, non représenté, intégré dans le coussin de mousse 2.

Le coussin de mousse 2 est revêtu d'une housse d'habillage 4 en matière appropriée, par exemple tissu, cuir ou matière plastique, sur laquelle est fixé un boîtier

5, en particulier un boîtier vidéo.

30 Ce boîtier 5 est disposé sur la face arrière de l'appui-tête 1. Comme indiqué précédemment, ce boîtier 5 peut consister en une structure monobloc en forme de console électronique. Il peut aussi se présenter en deux parties : l'une en forme de console électronique et l'autre en forme de réceptacle d'encastrement de ladite console ; dans ce dernier cas, l'ensemble console-réceptacle peut être fixé d'emblée

sur la housse d'habillage, ou bien on peut fixer dans un premier temps uniquement le réceptacle d'encastrement, la console électronique étant rapportée par la suite.

Ce boîtier 5 peut se présenter sous la forme d'une console intégrale de jeu ; il peut aussi s'agir d'un simple écran, par exemple un écran LCD, relié à une console électronique, notamment un lecteur DVD, une console de jeu, ou autre...

La structure de housse 4 est conformée pour venir épouser au mieux les contours du coussin 2. De manière classique, elle comporte une ouverture inférieure 7 qui permet son positionnement sur le coussin 2, laquelle ouverture 7 est associée à des organes de fermeture amovible genre élastiques, bandes auto-agrippantes ou simple cordelette de serrage par exemple.

Conformément à la présente invention, le boîtier vidéo 5 est fixé sur la housse d'habillage 4 avant le positionnement de celle-ci sur le coussin 2.

La face avant du boîtier 5 se situe dans le prolongement ou sensiblement dans le prolongement de la surface de recouvrement de la housse, et sa face arrière vient se plaquer contre la face dorsale du coussin de mousse 2, qui peut légèrement se déformer à ce niveau en fonction de la pression appliquée.

On comprend que le coussin de mousse 2 peut être un coussin standard ou quasi standard d'appui-tête, revêtu ou non de sa propre housse d'habillage d'origine.

Si besoin est, une simple réservation peut être aménagée dans la face dorsale de ce coussin, pour intégrer au moins en partie l'épaisseur du boîtier 5.

Dans tous les cas, le boîtier 5 est fermement maintenu en place par la tension de la housse 4 qui se plaque contre le coussin 2.

Le ou les éventuels câbles 8 qui assurent l'alimentation du boîtier vidéo passent par l'ouverture 7 aménagée dans la partie inférieure de la housse 4 ; ils peuvent ensuite longer l'une des tiges d'ancrage 3 de l'appui-tête, puis pénétrer dans le dossier de siège pour rejoindre la source d'alimentation. On notera ici que si le boîtier 5 consiste en un simple écran, la liaison de cet écran avec la console électronique (type lecteur DVD par exemple) peut être réalisée soit par des câbles, soit par liaison radio.

La fixation du boîtier 5 sur la housse 4 s'effectue par tout moyen approprié.

De préférence, on aménage une ouverture ou découpe 10 dans la housse 4, dont la forme et les dimensions sont adaptées à celles du boîtier 5 ; et on fixe ce boîtier par prise en sandwich de la bordure périphérique 11 de ladite ouverture 10, entre ledit boîtier 5 et une structure rigide rapportée 12, positionnée du côté de la face interne de la housse 4.

Ce type de fixation particulier est détaillé sur les figures 2 à 4.

Le boîtier 5 illustré sur les figures consiste en un boîtier de forme générale parallélépipédique avec une face avant 14, une face arrière 15 et quatre parois de côté 16. Ces quatre parois 16 forment ensemble une structure d'encadrement.

Le boîtier 5 comporte encore un rebord périphérique ou collerette débordante 17, qui s'étend en saillie dans le prolongement de la face avant 14 ; ce rebord périphérique 17 s'étend perpendiculairement ou sensiblement perpendiculairement aux parois de côté 16.

La figure 2 illustre l'ouverture 10 réalisée dans la housse 4 pour la réception du boîtier 5. On remarque ici l'encombrement général rectangulaire du boîtier illustré par la ligne de pointillés 18. L'ouverture 10 correspond à une découpe rectangulaire 19 de dimensions plus petites que l'encombrement général du boîtier, associée à quatre lignes de coupe 20 qui prolongent les angles.

On obtient ainsi quatre volets de matière 22 constituant ensemble la bordure périphérique 11 de l'ouverture 10, susceptibles d'être pris en sandwich entre le boîtier 5 et la structure interne rapportée 12.

Sur les figures 1, 3 et 4, cette structure rapportée 12 consiste en un cadre tubulaire 24, ici de forme parallélépipédique, dont les dimensions générales sont très légèrement supérieures à celles de la structure d'encadrement formée par les quatre parois latérales 16 du boîtier 5.

La bordure frontale de ce cadre 24 comporte ici une collerette périphérique débordante 25 ; sa bordure arrière se prolonge par un élément de fond 26.

On remarque la présence d'un orifice 27 aménagé dans le fond 26 de la structure rapportée 12, pour le passage du ou des câbles d'alimentation 8 du boîtier 5.

L'assemblage des différentes pièces s'effectue en positionnant le boîtier 5 et la structure rapportée 12 en regard de l'ouverture 10 de la housse 4, respectivement côté extérieur et côté intérieur (figure 3).

Il suffit ensuite d'encastrier le boîtier 5 dans la structure rapportée 12 tout en pinçant la bordure périphérique 11 de l'ouverture 10 de la housse pour obtenir un assemblage convenable.

Les pans ou volets de matière 22 qui forment la bordure périphérique 11 de l'ouverture 10 de la housse sont pris en sandwich, d'une part, entre les deux cadres parallélépipédiques 16 et 24, et d'autre part, entre le rebord 17 et la collerette 25, respectivement du boîtier 5 et de la structure rapportée 12. Cette prise en sandwich ou ce pincement permet d'assurer un maintien correct du boîtier 5 sur la housse d'habillage 4.

Le fond 15 du boîtier 5 vient en contact ou pratiquement en contact avec l'élément de fond 26 de la structure rapportée 12.

Bien entendu, au cours de cet assemblage, on prend soin de passer le ou les câbles d'alimentation 8 dans l'orifice 27 de la structure rapportée 12, de manière à assurer son ou leur intégration dans la housse 4.

L'assemblage du boîtier 5 avec la structure rapportée 12 et la housse 4 peut s'effectuer par simple encastrement à force.

Cet assemblage peut aussi être réalisé au moyen d'organes d'encliquetage appropriés, dont une forme de réalisation possible est illustrée schématiquement en 28, sur la figure 5, ou encore au moyen d'organes de solidarisation rapportés, type vis ou clips de serrage 29, tel qu'illustré sur la figure 6.

Sur cette figure 6, les vis ou clips de serrage 29 assemblent les éléments de fond 15 et 26, respectivement du boîtier 5 et de la structure rapportée 12; on peut aussi envisager d'assembler de cette manière les deux cadres 16 et 24, ou encore les deux structures débordantes 17 et 25.

Dans une variante de réalisation illustrée sur la figure 7, la structure rapportée peut se présenter sous la forme d'un simple cadre tubulaire parallélépipédique 12'. Là encore, l'assemblage des différents éléments peut être réalisé par simple encastrement à force, par tout moyen d'encliquetage approprié, ou par des éléments de solidarisation rapportés type vis, clips ou autres.

On peut aussi envisager d'utiliser un cadre ouvert, s'apparentant à un cerclage, associé à des moyens qui permettent son serrage sur le boîtier 5.

Comme cela apparaît sur la figure 8, la structure rapportée peut encore se présenter sous la forme d'un cadre plan 12'' venant prendre en sandwich la housse 4, en association avec le rebord périphérique 17 du boîtier 5.

Dans une autre forme de réalisation possible, illustrée sur la figure 9, la bordure frontale de la structure rapportée 12''' peut être fixée sur la face interne de la housse 4, avant la solidarisation entre ladite structure rapportée 12''' et le boîtier 5. Dans ce cas, la fixation de la bordure périphérique 11 de l'ouverture 10 de la housse 4 sur la structure rapportée 12''' peut par exemple être réalisée par collage, au moyen d'une colle appropriée ou au moyen d'une technique de thermofusion.

La solidarisation entre la structure rapportée 12''' et le boîtier 5 peut ici encore être réalisée par tous moyens appropriés tels que ceux énumérés et présentés ci-avant.

Lors de la solidarisation entre le boîtier 5 et la structure rapportée 12", on vient de préférence encore pincer la housse d'habillage 4 pour optimiser l'assemblage des différents éléments.

5 Dans une autre variante de réalisation possible, schématisée sur la figure 10, la bordure périphérique 11 de l'ouverture 10 de la housse peut être directement fixée par collage ou autre, sur la collerette 17 du boîtier 5 ; cela permet alors de se dispenser de la présence d'une structure rapportée 12.

10 En fonction de la technique retenue, si cela permet de faciliter les manipulations, la fixation du boîtier 5 sur la housse 4 peut être réalisée après retournement de ladite housse sur elle-même.

Une fois la housse d'habillage 4 équipée du boîtier 5, celle-ci peut être montée sur le coussin d'appui-tête 2 d'une manière tout-à-fait classique.

Le montage d'un boîtier sur une housse de dossier de siège peut être réalisé d'une manière similaire, en vue d'équiper la partie supérieure de ce dossier de siège.

15 On notera encore que le principe de montage faisant l'objet de la présente invention peut être appliqué pour l'adaptation sur la housse d'habillage de hauts-parleurs, support(s) de télécommande ou autres dispositifs du même genre.

- REVENDICATIONS -

1.- Procédé de montage d'un boîtier (5), genre console intégrale de jeu, simple écran pour lecteur DVD ou pour console de jeu, haut-parleur ou autre ..., sur un coussin (2) type appui-tête ou dossier de siège, caractérisé en ce qu'il consiste à fixer ledit boîtier (5) sur une housse d'habillage (4) puis à monter ladite housse (4) sur ledit coussin (2).

2.- Procédé selon la revendication 1, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) du coussin (2) par prise en sandwich de ladite housse (4) entre ledit boîtier (5) et une structure rigide rapportée (12, 12', 12'', 12''') positionnée contre la face interne de ladite housse (4).

3.- Procédé selon l'une quelconque des revendications 1 ou 2, caractérisé en ce qu'il consiste :

- à aménager une ouverture (10) de forme et de dimensions appropriées dans la housse d'habillage (4), puis
- à fixer le boîtier (5) sur ladite housse (4) par prise en sandwich de la bordure périphérique (11) de ladite ouverture (10) entre ledit boîtier (5) et une structure rigide rapportée (12, 12', 12'', 12''') positionnée contre la face interne de ladite housse (4).

4.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse (4) par encastrement dudit boîtier (5) dans une structure rapportée (12, 12', 12'', 12''') en forme de cadre, puis en solidarissant ledit boîtier (5) avec ladite structure rapportée, par des moyens mécaniques appropriés (28, 29).

5.- Procédé selon l'une quelconque des revendications 1 à 4, caractérisé en ce qu'il consiste à fixer une structure rigide rapportée (12''') sur la face interne de la housse d'habillage (4), puis à fixer le boîtier (5) sur ladite structure rapportée (12''') tout en venant de préférence prendre en sandwich la housse d'habillage (4) entre ledit boîtier (5) et ladite structure (12''').

6.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) au moyen d'une structure rapportée (12') en forme de cadre qui vient se positionner sur le pourtour dudit boîtier (5) et qui est muni de moyens de serrage sur ledit boîtier (5).

7.- Procédé selon l'une quelconque des revendications 2 ou 3, caractérisé en ce qu'il consiste à fixer le boîtier (5) sur la housse d'habillage (4) par encastrement à force dudit boîtier (5) dans la structure interne rapportée (12, 12', 12''), en forme de cadre.

8.- Procédé selon la revendication 1, caractérisé en ce qu'il consiste à fixer directement la bordure périphérique (11) d'une ouverture (10) réalisée dans la housse (4) sur le pourtour du boîtier (5) et en particulier sur une collerette débordante (17) de ce boîtier.

5 9.- Housse pour l'habillage d'un coussin (2) type appui-tête ou dossier de siège, sur laquelle est fixé un boîtier (5), pour la mise en œuvre du procédé selon l'une quelconque des revendications 1 à 8.

10 10.- Housse d'habillage selon la revendication 9, caractérisée en ce qu'elle est munie d'un boîtier (5) coopérant avec une structure rigide rapportée (12, 12', 12'', 12''') disposée contre la face interne de la housse (4), pour la fixation dudit boîtier (5) sur la bordure périphérique (11) d'une ouverture (10) aménagée dans ladite housse (4).

15 11.- Housse d'habillage selon la revendication 10, caractérisée en ce qu'elle comporte un boîtier (5) muni d'une collerette débordante (17) qui s'étend dans le plan ou sensiblement dans le plan de sa face frontale (14), laquelle collerette (17) coopère avec la structure rapportée en forme de cadre (12, 12', 12'', 12''') pour prendre en sandwich la bordure périphérique (11) de l'ouverture (10) aménagée dans ladite housse (4).

20 12.- Housse d'habillage selon l'une quelconque des revendications 10 ou 11, caractérisée en ce qu'elle comporte une structure rapportée (12'') en forme de cadre plan.

13.- Housse d'habillage selon l'une quelconque des revendications 10 ou 11, caractérisée en ce qu'elle comporte une structure rapportée (12, 12', 12''') en forme de cadre tubulaire.

25 14.- Housse d'habillage selon la revendication 13, caractérisée en ce qu'elle comporte une structure rapportée (12, 12''') en forme de cadre muni d'une collerette débordante (25) au niveau de sa face frontale.

30 15.- Housse d'habillage selon l'une quelconque des revendications 13 ou 14, caractérisée en ce qu'elle comporte une structure rapportée (12, 12''') en forme de cadre muni d'un fond (26) au niveau de sa bordure arrière, dans lequel fond (26) est aménagée une ouverture (27) pour le passage du ou des câbles (8) d'alimentation du boîtier (5).

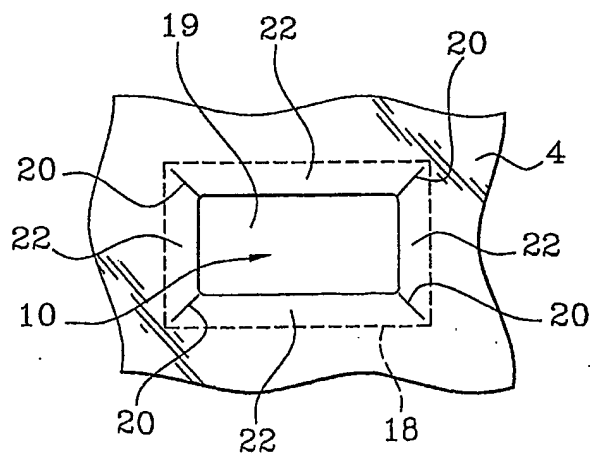
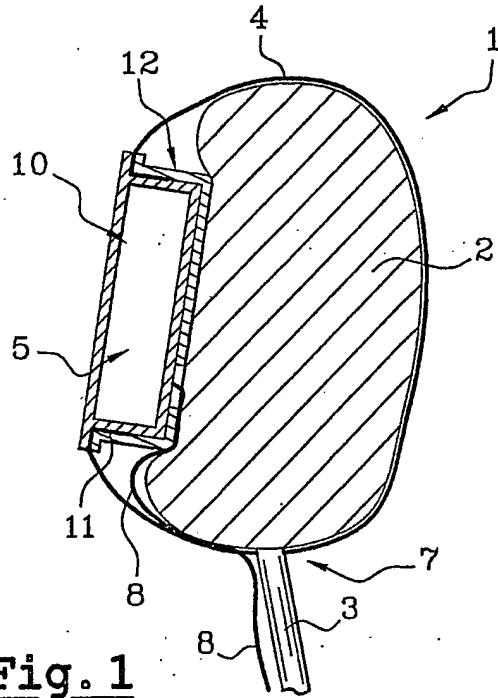
16.- Housse d'habillage selon l'une quelconque des revendications 9 à 15, caractérisée en ce qu'elle comporte un boîtier (5) solidarisé avec la structure rapportée (12, 12', 12'', 12''') par des moyens d'encliquetage (28).

17.- Housse d'habillage selon l'une quelconque des revendications 9 à 15, caractérisée en ce qu'elle comporte un boîtier (5) solidarisé avec la structure rapportée (12, 12', 12'', 12''') au moyen d'organes de fixation rapportés (29) type vis ou clips de serrage.

5 18.- Housse d'habillage selon la revendication 9, caractérisée en ce qu'elle comporte une ouverture (10) sur la bordure périphérique (11) de laquelle est directement fixé, par collage ou autre, le pourtour du boîtier (5) et en particulier une collerette (17) débordante de ce boîtier.

10 19.- Coussin type appui-tête ou dossier de siège revêtu d'une housse d'habillage (4) selon l'une quelconque des revendications 9 à 18.

1/3



2/3

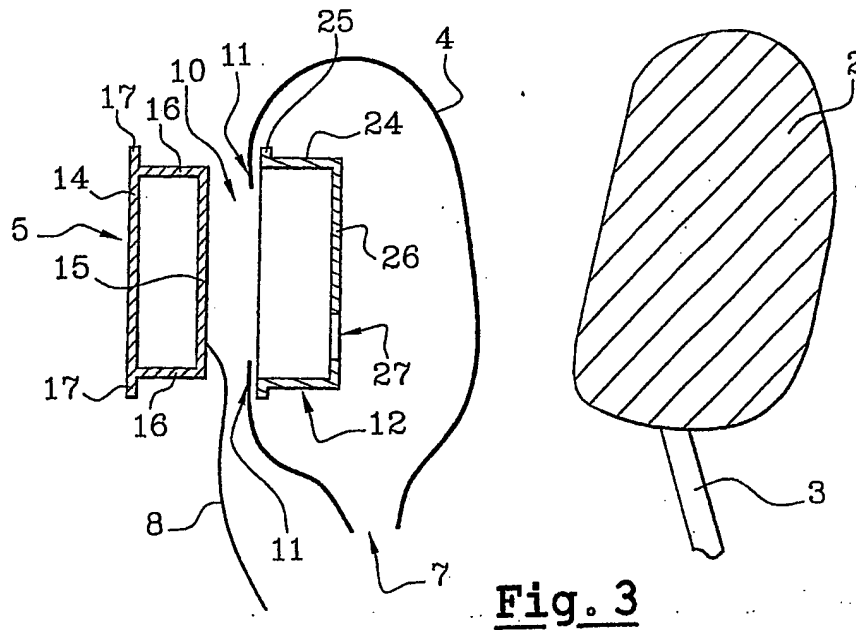


Fig. 3

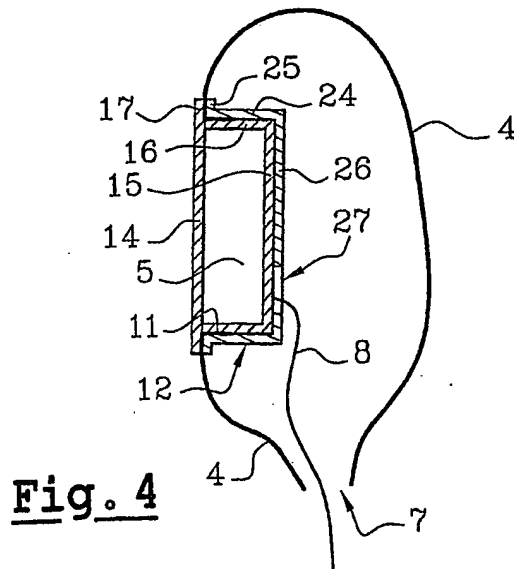


Fig. 4

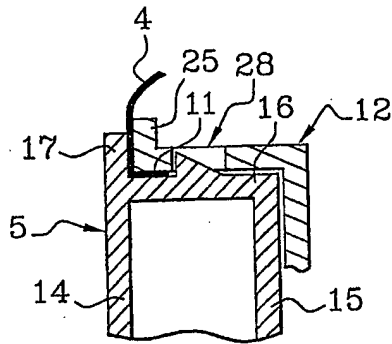


Fig. 5

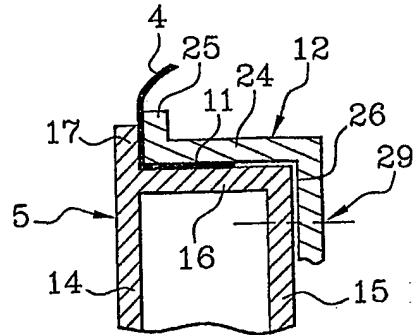


Fig. 6

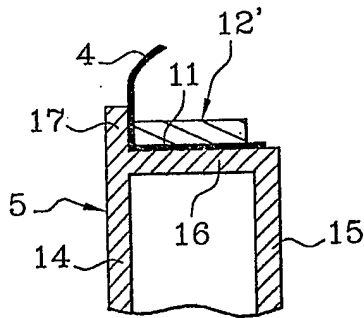


Fig. 7

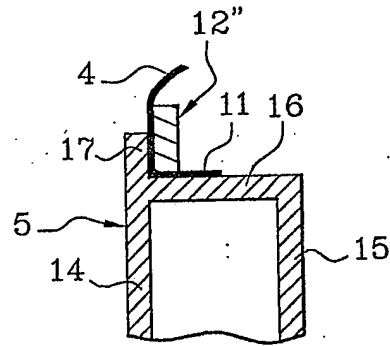


Fig. 8

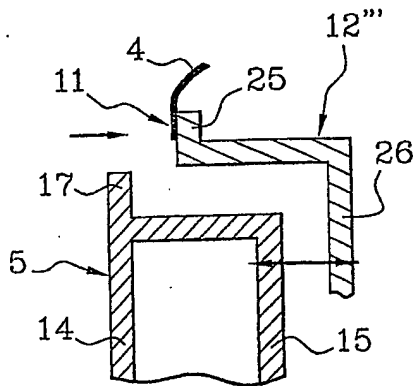


Fig. 9

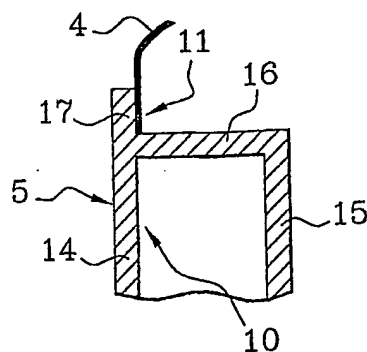


Fig. 10

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/10190

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60R11/02

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 B60R B64D B60N H04R

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.
A	US 4 647 980 A (BUTLER ROBERT F ET AL) 3 March 1987 (1987-03-03) column 4, line 50 -column 5, line 3 figures 5,7	1,9,19
A	JP 2001 047921 A (TOYOTA TEKKUSU OSAKA:KK) 20 February 2001 (2001-02-20) figure 2	1,9,19
A	DE 295 18 369 U (SCHLECHTWEH HARTMUT) 18 January 1996 (1996-01-18) claims 1,5; figure 1	1,9,19

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.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 December 2002

Date of mailing of the international search report

10/12/2002

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Colonna, M

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/EP 02/10190

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4647980	A	03-03-1987	AT 61188 T	15-03-1991
			AU 577768 B2	29-09-1988
			AU 6656586 A	23-07-1987
			CA 1227735 A1	06-10-1987
			DE 3768094 D1	04-04-1991
			EP 0230280 A1	29-07-1987
			JP 2007279 C	11-01-1996
			JP 7008680 B	01-02-1995
			JP 62168794 A	25-07-1987
<hr/>				
JP 2001047921	A	20-02-2001	NONE	
<hr/>				
DE 29518369	U	18-01-1996	DE 29518369 U1	18-01-1996
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RAPPORT DE RECHERCHE INTERNATIONALE

Dem. Internationale No
PCT/EP 02/10190

A. CLASSEMENT DE L'OBJET DE LA DEMANDE
CIB 7 B60R11/02

Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB

B. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE

Documentation minimale consultée (système de classification suivi des symboles de classement)
CIB 7 B60R B64D B60N H04R

Documentation consultée autre que la documentation minimale dans la mesure où ces documents relèvent des domaines sur lesquels a porté la recherche

Base de données électronique consultée au cours de la recherche internationale (nom de la base de données, et si réalisable, termes de recherche utilisés)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERES COMME PERTINENTS

Catégorie	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
A	US 4 647 980 A (BUTLER ROBERT F ET AL) 3 mars 1987 (1987-03-03) colonne 4, ligne 50 -colonne 5, ligne 3 figures 5,7	1,9,19
A	JP 2001 047921 A (TOYOTA TEKKUSU OSAKA:KK) 20 février 2001 (2001-02-20) figure 2	1,9,19
A	DE 295 18 369 U (SCHLECHTWEG HARTMUT) 18 janvier 1996 (1996-01-18) revendications 1,5; figure 1	1,9,19

Voir la suite du cadre C pour la fin de la liste des documents

Les documents de familles de brevets sont indiqués en annexe

* Catégories spéciales de documents cités:

- *A* document définissant l'état général de la technique, non considéré comme particulièrement pertinent
- *E* document antérieur, mais publié à la date de dépôt international ou après cette date
- *L* document pouvant jeter un doute sur une revendication de priorité ou cité pour déterminer la date de publication d'une autre citation ou pour une raison spéciale (telle qu'indiquée)
- *O* document se référant à une divulgation orale, à un usage, à une exposition ou tous autres moyens
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T document ultérieur publié après la date de dépôt international ou la date de priorité et n'appartenant pas à l'état de la technique pertinent, mais cité pour comprendre le principe ou la théorie constituant la base de l'invention

X document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme nouvelle ou comme impliquant une activité inventive par rapport au document considéré isolément

Y document particulièrement pertinent; l'invention revendiquée ne peut être considérée comme impliquant une activité inventive lorsque le document est associé à un ou plusieurs autres documents de même nature, cette combinaison étant évidente pour une personne du métier

Z document qui fait partie de la même famille de brevets

Date à laquelle la recherche internationale a été effectivement achevée

4 décembre 2002

Date d'expédition du présent rapport de recherche internationale

10/12/2002

Nom et adresse postale de l'administration chargée de la recherche internationale
Office Européen des Brevets, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Fonctionnaire autorisé

Colonna, M

RAPPORT DE RECHERCHE INTERNATIONALE
Renseignements relatifs aux membres de familles de brevets

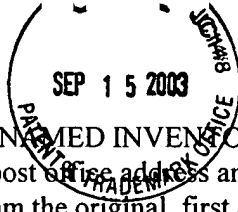
Dem. Internationale No
PCT/EP 02/10190

Document brevet cité au rapport de recherche	Date de publication	Membre(s) de la famille de brevet(s)	Date de publication
US 4647980	A	03-03-1987	AT 61188 T 15-03-1991
			AU 577768 B2 29-09-1988
			AU 6656586 A 23-07-1987
			CA 1227735 A1 06-10-1987
			DE 3768094 D1 04-04-1991
			EP 0230280 A1 29-07-1987
			JP 2007279 C 11-01-1996
			JP 7008680 B 01-02-1995
			JP 62168794 A 25-07-1987

JP 2001047921	A	20-02-2001	AUCUN

DE 29518369	U	18-01-1996	DE 29518369 U1 18-01-1996

Formulaire PCT/ISA/210 (annexe familles de brevets) (juillet 1992)



DECLARATION #3

AS A BELOW NAMED INVENTOR, I hereby declare that:

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

I believe that I am the original, first and sole (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:

TITLE: HEADREST MOUNTABLE VIDEO SYSTEM

the specification of which either is attached hereto or indicates an attorney docket no. 8002A-80, or:

[X] was filed in the U.S. Patent & Trademark Office on May 15, 2003 and assigned Serial No. 10/438,724,

[] and (if applicable) was amended on _____,

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability and to the examination of this application in accordance with Title 37 of the Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, U.S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign applications for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed:

(Application Number) (Country) (Day/Month/Year filed)

(Application Number) (Country) (Day/Month/Year filed)

I hereby claim the benefit under Title 35, U.S. Code, §120 of any United States application(s), or §119(e) of any United States provisional application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, U.S. Code, §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, The Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial Number) (Filing Date) (STATUS: patented, pending, abandoned)

(Application Serial Number) (Filing Date) (STATUS: patented, pending, abandoned)

I hereby appoint the following attorneys: FRANK CHAU, Reg. No. 34,136; FRANK V. DeROSA, Reg. 43,584, NATHANIEL T. WALLACE, Reg. 48,909; ERIC M. PARHAM, Reg. 45,747; THOMAS W. McNALLY, Reg. 48,609; MICHAEL F. MORANO, Reg. No. 44,952; and KOON H. WONG, Reg. No.48,959; each of them of F. CHAU & ASSOCIATES, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow New York 11554; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Frank Chau, Esq.
F. CHAU & ASSOCIATES, LLP
1900 Hempstead Turnpike, Suite 501
East Meadow, New York 11554
Tel.: 516-357-0091

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 §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: George C. Schedivy Citizenship U.S.

Inventor's signature:  Date: 7/24/03

Residence & Post Office Address: 349 Peconic Bay Boulevard
P.O. Box 2553
Aquebogue, New York 11931


UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/438,724	05/15/2003	George C. Schedivy	8002A-80

CONFIRMATION NO. 6312
FORMALITIES LETTER


OC000000010487135

 Frank Chau
 F. CHAU & ASSOCIATES, LLP
 Suite 501
 1900 Hempstead Turnpike
 East Meadow, NY 11554

Date Mailed: 07/14/2003

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION
FILED UNDER 37 CFR 1.53(b)
Filing Date Granted
Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

 Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

*A copy of this notice **MUST** be returned with the reply.*

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 Initial Patent Examination Division (703) 308-1202

PART 3 - OFFICE COPY

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**UTILITY
 PATENT APPLICATION
 TRANSMITTAL**

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

Attorney Docket No.	8002A-80
First Inventor	George C. Schedivy
Title	Headrest Mountable Video System
Express Mail Label No.	EV329489380US

JC971 U.S. PTO
10/438724
05/15/03

APPLICATION ELEMENTS

ADDRESS TO: Assistant Commissioner for Patents
 Box Patent Application
 Washington, DC 20231

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
 See 37 CFR 1.27.
- Specification [Total Pages]
(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
- Drawing(s) (35 U.S.C. 113) [Total Sheets]
- Oath or Declaration [Total Pages]
 - Newly executed (original or copy)
 - Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - 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).
- Application Data Sheet. See 37 CFR 1.76

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

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. PTO/SB/17
- Other: Form PTO-2038

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 Label Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Frank Chau				
Address	F. CHAU & ASSOCIATES, LLP				
	1900 Hempstead Turnpike, Suite 501				
City	East Meadow	State	New York	Zip Code	11554
Country	U.S.A	Telephone	(516) 357-0091	Fax	(516) 357-0092

Name (Print/Type)	Nathaniel T. Wallace	Registration No. (Attorney/Agent)	48,909
Signature		Date	5/15/03

PATENT

Atty. Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): George C. Schedivy

For: HEADREST MOUNTABLE VIDEO SYSTEM

Enclosed are:

14 page(s) of specification

1 page(s) of Abstract

4 page(s) of claims

16 sheets of drawings formal informal

_____ page(s) of Declaration and Power of Attorney

An Assignment of the invention to _____

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date May 15, 2003, in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV329489380US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nathaniel T. Wallace
(Type or print name of person mailing paper)


(Signature of person mailing paper)

This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s):

APPLICATION NO(S):	FILING DATE
_____/_____/_____	_____
_____/_____/_____	_____

Certified copy of applications

<u>Country</u>	<u>Appln. No.</u>	<u>Filed</u>
_____	_____	_____

from which priority under Title 35 United States Code, § 119 is claimed
 is enclosed.

will follow.

CALCULATION OF UTILITY APPLICATION FEE

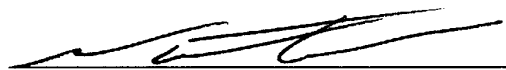
For	Number Filed	Number Extra	Rate	Basic Fee \$750.00
TOTAL CLAIMS	20	0	x 18 =	\$0
INDEPENDENT CLAIMS	3	0	x 84 =	\$0
<input type="checkbox"/> Multiple Dep. Claim			280	\$0
			TOTAL	\$750.00

Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$_____.

*Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

- The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.
- Please charge fee of \$ _____ for recording the attached assignment by Credit Card Payment Form PTO-2038 enclosed herewith.
- Please charge fee of \$750.00 to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: May 15, 2003



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JC987 U.S. PTO
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

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

Attorney Docket No.	8002A-80
First Inventor	George C. Schedivy
Title	Headrest Mountable Video System
Express Mail Label No.	EV329489380US

JC971 U.S. PTO
10/438724
05/15/03

APPLICATION ELEMENTS

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages]
(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
- Drawing(s) (35 U.S.C. 113) [Total Sheets]
- Oath or Declaration [Total Pages]
 - Newly executed (original or copy)
 - Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - 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).
- Application Data Sheet. See 37 CFR 1.76

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

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
- English Translation Document *(if applicable)*
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. PTO/SB/17
- Other: Form PTO-2038

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 Label Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Frank Chau				
Address	F. CHAU & ASSOCIATES, LLP				
	1900 Hempstead Turnpike, Suite 501				
City	East Meadow	State	New York	Zip Code	11554
Country	U.S.A	Telephone	(516) 357-0091	Fax	(516) 357-0092

Name (Print/Type)	Nathaniel T. Wallace	Registration No. (Attorney/Agent)	48,909
Signature		Date	5/15/03

PATENT

Atty. Docket No. 8002A-80

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): George C. Schedivy

For: HEADREST MOUNTABLE VIDEO SYSTEM

Enclosed are:

14 page(s) of specification

1 page(s) of Abstract

4 page(s) of claims

16 sheets of drawings formal informal

_____ page(s) of Declaration and Power of Attorney

An Assignment of the invention to _____

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date May 15, 2003, in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV329489380US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nathaniel T. Wallace
(Type or print name of person mailing paper)


(Signature of person mailing paper)

This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s):

APPLICATION NO(S):	FILING DATE
_____/_____/_____	_____
_____/_____/_____	_____

Certified copy of applications

<u>Country</u>	<u>Appln. No.</u>	<u>Filed</u>
_____	_____	_____

from which priority under Title 35 United States Code, § 119 is claimed
 is enclosed.

will follow.

CALCULATION OF UTILITY APPLICATION FEE

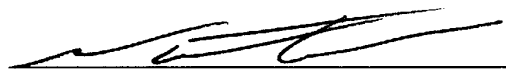
For	Number Filed	Number Extra	Rate	Basic Fee \$750.00
TOTAL CLAIMS	20	0	x 18 =	\$0
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<input type="checkbox"/> Multiple Dep. Claim			280	\$0
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- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

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HEADREST MOUNTABLE VIDEO SYSTEM

BACKGROUND OF THE INVENTION

5 1. Field of the Invention:

The present invention relates to a video system, and more particularly to a video system capable of being mounted in a headrest.

10 2. Discussion of Related Art:

As society becomes more mobile and therefore spends a greater amount of time traveling and away from home, demand rises for electronic appliances and devices outside the home environment. For example, as shown in Figures 1 and 2, video screens 101 have been mounted in the headrests 102 of vehicles, facilitating video entertainment on the road. These video screens are connected to video players located, for example, in the glove box of the vehicle. However, the video player and video screen cannot be removed from the vehicle. Thus, videos
 15
 20 may only be viewed with such systems when occupying the vehicle, and only from particular vantage points within the vehicle. Further, there is also a risk of theft of the video screen and video player and corresponding damage to the vehicle when the vehicle is unattended.

Therefore, a need exists for a video system capable of being mounted in a headrest.

SUMMARY OF THE INVENTION

5 According to an embodiment of the present invention, a video system comprises a base unit coupled to an internal headrest support structure, wherein the base unit comprises a media player, and a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position
10 concealing the media player.

 The video system comprises a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system
15 can be selectively un-coupled from the base unit.

 The video system is a clamshell-type device. The hinge is a swivel-hinge.

 The video system further comprises a wireless transmitter. The video system comprises a port for connecting to an external
20 device.

 The video system comprises a power source coupled to the docking station, the docking station providing power to a coupled video system. The video system is coupled to an

external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

According to an embodiment of the present invention, a video system comprises a base unit coupled to an internal headrest support structure, and a door pivotally connected to the base unit by a hinge, the door comprising a display and a media player.

The video system comprises a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

The video system is a slot-type device.

The video system further comprises a wireless transmitter. The hinge is a swivel-hinge.

The video system comprises a port for connecting to an external device.

The video system comprises a power source coupled to the docking station, the docking station providing power to a coupled video system. The video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by a pin array.

According to an embodiment of the present invention, a docking station adapted to secure a portable video system

comprises a means for securing the docking station to an internal headrest support structure, a means for securing the portable video system to the docking station, and a pin array for providing power to a secured portable video system.

5 The pin array carries a signal between the secured removable video unit and an external device.

 The signal is one of an audio signal and a video signal.

 A cover is secured to the docking station in the absence of the portable video system.

10

BRIEF DESCRIPTION OF THE DRAWINGS

 Preferred embodiments of the present invention will be described below in more detail, with reference to the accompanying drawings:

15 Figure 1 is an illustration of a video screen installed in a vehicle headrest;

 Figure 2 is an illustration of a video screen installed in a vehicle headrest;

20 Figure 3A is an illustration of a side view of a video system and docking station according to an embodiment of the present invention;

 Figure 3B is an illustration of a side view of a video system and docking station according to an embodiment of the present invention;

Figure 3C is an illustration of a side view of an undocking
stationed video system according to an embodiment of the present
invention;

Figure 3D is an illustration of a side view of a video
5 system according to an embodiment of the present invention

Figures 4A and 4B are illustrations of a docking station
according to an embodiment of the present invention;

Figure 5A is an illustration of a front view of a
clamshell-type video system according to an embodiment of the
10 present invention;

Figure 5B is an illustration of a top view of a clamshell-
type video system according to an embodiment of the present
invention;

Figure 5C is an illustration of a side view of a clamshell-
15 type video system according to an embodiment of the present
invention;

Figure 5D is an illustration of a front view of a
clamshell-type video system in an open position according to an
embodiment of the present invention;

20 Figure 6A is an illustration of a docking station according
to an embodiment of the present invention;

Figure 6B is an illustration of a rear view of a video
system according to an embodiment of the present invention;

Figures 7A and 7B are illustrations of mechanisms for coupling a video system and a docking station according to an embodiment of the present invention;

Figure 8 is an illustration of a video system according to an embodiment of the present invention;

Figure 9 is an illustration of a docking station cover according to an embodiment of the present invention;

Figure 10 is a diagram of a system according to an embodiment of the present invention; and

Figures 11A and 11B are illustrations of a video system according to an embodiment of the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

According to an embodiment of the present invention, a portable video system can be coupled to a vehicle headrest. The portable video system receives a data media comprising data to be displayed. The video system is secured to a docking station mounted in the headrest. The video system is removable, such that the video system can be disconnected from the docking station.

Referring to Figure 3A, the portable video system can be embodied as a slot-type video system 301 comprising a slot 302 that receives a data media into a mechanism for accessing data stored on the medium, such as a digital videodisk (DVD) player,

MPEG layer 3 (MP3) disk, or video game disk. The video system 301 is secured to a docking station 303. The video system 301 comprises a hinge 304. The hinge connects a video screen portion of the video system to a base portion of the video system.

As shown in Figure 3B, the docking station 303 is secured in the headrest 102, and more particularly to an internal headrest support structure 305. The docking station 303 can be secured by, for example, a catch 401 as shown in Figure 4A and/or a screw 402 as shown in Figure 4B. One of ordinary skill in the art would recognize that other means of securing the docking station can be used, for example, an adhesive compound. The docking station 303 secures a base portion of the video system 301, and allows a video screen portion 306 to pivot away from the base portion. In a slot-type device, as shown in Figure 3B, the slot 302 is exposed for receiving a data media when the video screen portion 306 is in a pivoted position away from the base portion of the video system 301.

As shown in Figure 3C, the video system 301 can be disconnected from the docking station 303 (cut away view). The video system 301 can be operated autonomously. That is, when decoupled from the docking station 303, the video system 301 can access a data media to play, for example, a movie. When disconnected from the docking station, the video system can

operate on power supplied by an optional battery or a connection to an external power supply, such as an AC or DC current. The connection can be to the base portion 307 of the video system 301.

5 Referring to Figure 3D, a headrest 308 can comprise an opening 309 for receiving a data media into the video system 301. The video system 301 can be a permanently installed or portable video system. The headrest opening 309 aligns with the slot 302 of the video system 301 to allow data media, such as a
10 DVD or MP3 disk to be inserted from the side, top, or bottom of the headrest 308. The headrest 308 further comprises vents 310 for dissipating heat. A cooling fan 311 for increasing airflow can also be added within the headrest. The cooling fan 311 can be located in the headrest 308 and behind the vent 310, such
15 that the cooling fan 311 is concealed.

Referring to Figures 5A through 5D, a portable video system 501 of a clamshell-type is secured to a docking station. The portable video system 501 comprises a door 502 and a base portion 503 connected by a hinge 504. The door 502 pivots away
20 from the base portion 503 on the hinge 504. The hinge 504 can be positioned on any side of the door 502. The door 502 comprises a video screen 505, controls 506A, and an infrared (IR) transmitter and/or receiver 507. The video system 501 receives a data media 508 comprising data to be accessed. When

the door 502 is closed the data media 505 is secured. The door
502 can be opened by, for example, depressing a button releasing
the door 503 from the base portion 503 or pulling the door 502
away from the base 503 wherein the hinge 504 is a friction
5 fitting. A media player 509 is concealed by cover 510. The
cover 510 can be opened by, for example, depressing a button
511. The video system 501 is removable, such that the video
system can be disconnected from the docking station 303.

The base 503 comprises a control panel 506B. The control
10 panel 506B comprises a plurality of controls for controlling the
functions of the media player, for example, volume control,
previous, next, pause, eject and play, and a power on/off
button. The controls 506A and 506B can be, for example,
buttons, switches, a touch sensitive liquid crystal display, and
15 the like.

Referring now to Figures 6A and 6B, the docking station 303
comprises a pin array 601 for connecting to a pin array 602 of a
video system 603. The video system 603 can be a slot-type
device, a clamshell-type device, or any other device that is
20 capable of being secured in the docking station 303. When the
video system 603 is secured to the docking station 303, the pin
array 601 and video system pin array 602 transfer data to and
from the video player 603. Thus, the video player can be
connected to external devices through the docking station 303.

The external devices include, for example, a slave video display unit installed in another headrest, a security system, and a vehicle sound system. Where the video system 603 is permanently installed in the headrest, the docking station can be omitted, and a connection to the vehicle's power supply and/or data bus can be directly coupled to the video system 603 through, for example, an electrical harness.

The docking station 303 is coupled to a vehicle's electrical system. The docking station 303 is connected to a vehicle's power supply, e.g., 12 Volts, through a wiring harness. Power can be supplied to the video system 603 through the pin arrays 601 and 602. The docking station 303 can be connected to a vehicle's data communication bus. The data communications bus can carry data to and from the external devices.

Referring to Figure 7A, the docking station 303 comprises a quick release mechanism for securing and releasing the video system 701. The quick release mechanism can include a button 702 for releasing a latch 703, which is secured to the video system 701 by pressing the video system 701 securely into the docking station 303. A latch mechanism comprises a latch 703 that passes into a bottom portion of the video system 701. The latch 703 is momentarily displaced as the video system 701 is coupled with the docking station 303. A spring 704 secures the

latch 703 in the bottom portion of the video system 701. The button 702 can be pressed, aligning the latch 703 with an opening in the bottom portion of the video system 701, and the video system 701 can be pulled away from the docking station 5 303. As shown in Figure 7B, a rear portion 705 of the video system 701 can be secured by a convex portion 706 that fits within a concave portion 707 in the docking station 303. As the video system 701 is pressed into the docking station 303, a wall of the docking station 708 flexes away from the rear portion of 10 the video player until the convex portion 706 is aligned with the concave portion 707. The convex portion 706 and the concave portion 707 cooperate to secure the video system 701 to the docking station 303. Thus, a wall of the docking station 708 can be formed of, for example, a flexible thermoplastic rubber. 15 Other means of securing the video system 701 to the docking station 303 are contemplated, such as, snaps, locks, latches, and the like.

Referring to Figure 8, the video system 801 comprises input and output ports. For example, audio/video input/output ports 20 802, a headphone port 803, and a power port 804. It should be understood that other port types can be provided, for example, a USB port or RCA jack for connecting to a game controller. Further, the video system 801 comprises a wireless transmitter for transmitting, for example, an audio radio frequency,

Bluetooth®, or Whitefire® signal to wireless headphones. The video system 801 further comprises an infrared (IR) port 805 for transmitting and/or receiving, for example, remote control signals. The ports can be positioned at any convenient location on the video system 801, for example, on a bottom portion of the base of the video system, a front portion of the base of the video system, or a side portion.

When the video system is removed from the docking station 303, a cover 901 can conceal a portion of the docking station, as shown in Figure 9. The cover 901 is manufactured from a material such as, plastic, wood, leather, and/or aluminum. The cover 901 can be secured by the same mechanisms as the video system, such as those shown in Figure 7A and 7B. Thus, the cover 901 and the video player can have one or more features in common, such as openings for receiving latches and the like.

It is to be appreciated that a portable video system according to the present invention is easily removable from and can be operated outside of a vehicle, for example, in home or office environments. Further, the video system can be permanently connected to the headrest support structure by, for example, screws, catches, and adhesives.

Referring now to Figure 10, a video system 1001 and a video slave unit 1002 are connected to a power supply 1003. The video slave unit receives data to be displayed from the video system

1001 through a data bus 1004. The data bus 1004 can be connected to other devices 1005, such as a vehicle's sound system or a vehicle's navigation system. The connections between the video system 1001 and the external device 1005 can
5 be a wireless connection (not shown). Similarly, the connection between the video system 1001 and the video system slave device 1002 can be a wireless connection (not shown).

While the video system has been described in terms of a clamshell-type device and a slot-type device, the video system
10 can be embodied in other configurations, for example, as a draw-type device comprising a draw and a spindle for securing the data media in place. Another example of a video system according to an embodiment of the present invention is a tablet-type device comprising a swivel-hinge connecting a video screen
15 to a base portion as shown in Figures 11A and 11B. The swivel-hinge 1101 allows a door 1102 comprising a screen to move about two axes such that the screen 1102 can be swiveled about the swivel-hinge 1001 while in an open position, pivoted away from the base 1103. The screen can be turned to face the base
20 portion 1103 when in a fully closed position (e.g., Figure 11B) or turned to face away from the base portion 1103 in a closed viewing position (e.g., 11A). In both the fully closed position and the closed viewing position, the door 1102 is substantially

parallel to the base portion 1103. The swivel-hinge 1101 can be implemented in a slot-type device or a clamshell-type device.

Having described embodiments for headrest mountable a video system, it is noted that modifications and variations can be made by persons skilled in the art in light of the above teachings. It is therefore to be understood that changes may be made in the particular embodiments of the invention disclosed which are within the scope and spirit of the invention as defined by the appended claims. Having thus described the invention with the details and particularity required by the patent laws, what is claimed and desired protected by Letters Patent is set forth in the appended claims.

What is claimed is:

1. A video system comprising:

a base unit coupled to an internal headrest support structure, wherein the base unit comprises a media player; and

5 a display mounted in a door pivotally connected to the base unit by a hinge and in a closed position concealing the media player.

2. The video system of claim 1, further comprising a docking station disposed between the base unit and the internal headrest support structure, for selectively coupling the video system to the internal headrest support structure, wherein the video system can be selectively un-coupled from the base unit.

15 3. The video system of claim 1, wherein the video system is a clamshell-type device.

4. The video system of claim 1, wherein the hinge is a swivel-hinge.

20

5. The video system of claim 1, further comprising a wireless transmitter.

11. The video system of claim 9, wherein the video system is a slot-type device.

12. The video system of claim 9, further comprising a wireless
5 transmitter.

13. The video system of claim 9, wherein the hinge is a swivel-hinge.

10 14. The video system of claim 9, further comprising a port for connecting to an external device.

15 15. The video system of claim 10, further comprising a power source coupled to the docking station, the docking station providing power to a coupled video system.

16. The video system of claim 10, wherein the video system is coupled to an external device through the docking station, wherein the docking station and the video system are coupled by
20 a pin array.

17. A docking station adapted to secure a portable video system comprising:

a means for securing the docking station to an internal headrest support structure;

a means for securing the portable video system to the docking station; and

5 a pin array for providing power to a secured portable video system.

18. The docking station of claim 17, wherein the pin array carries a signal between the secured removable video unit and an
10 external device.

19. The docking station of claim 18, wherein the signal is one of an audio signal and a video signal.

15 20. The base unit of claim 17, wherein a cover is secured to the docking station in the absence of the portable video system.

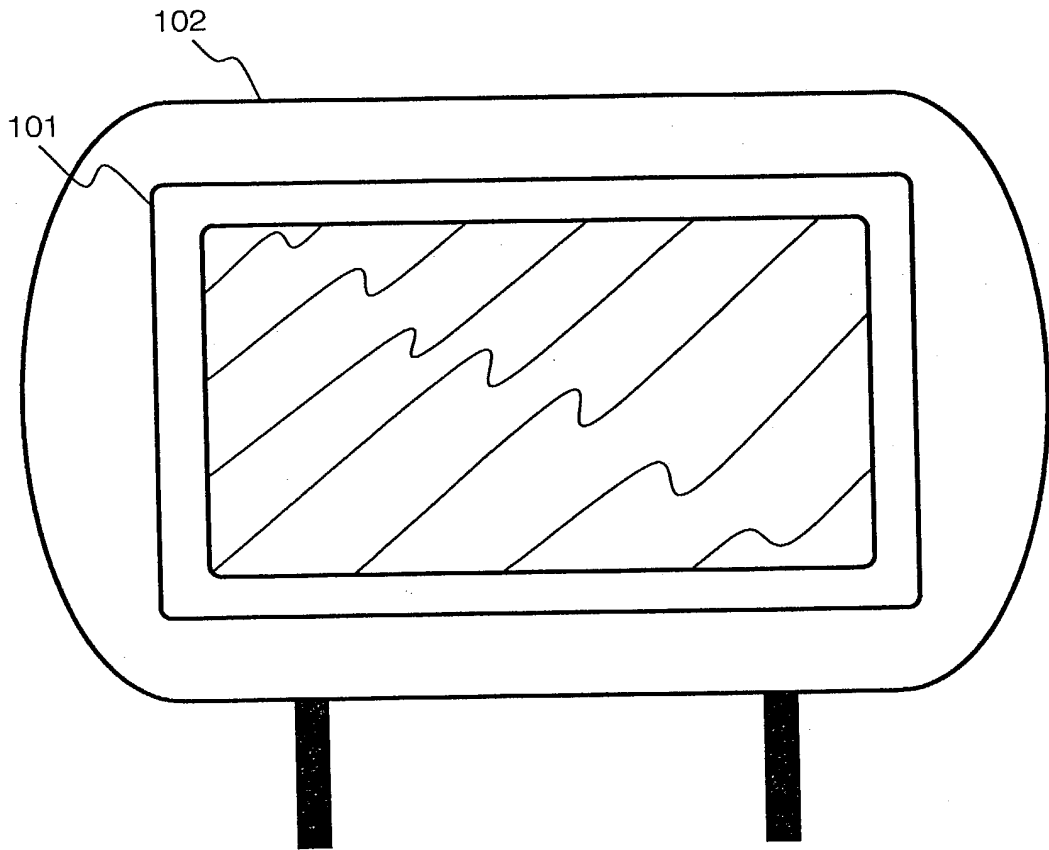


FIGURE 1
(PRIOR ART)

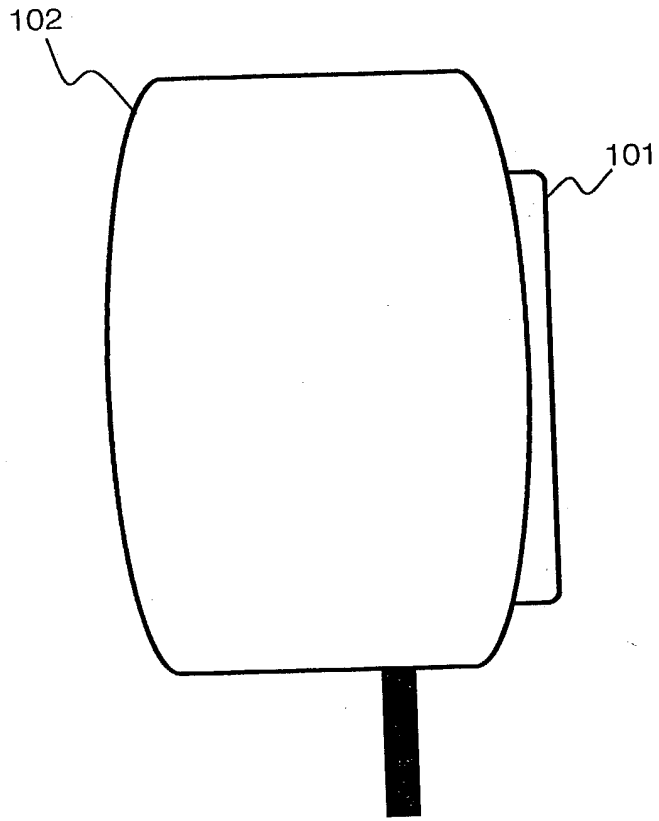


FIGURE 2
(PRIOR ART)

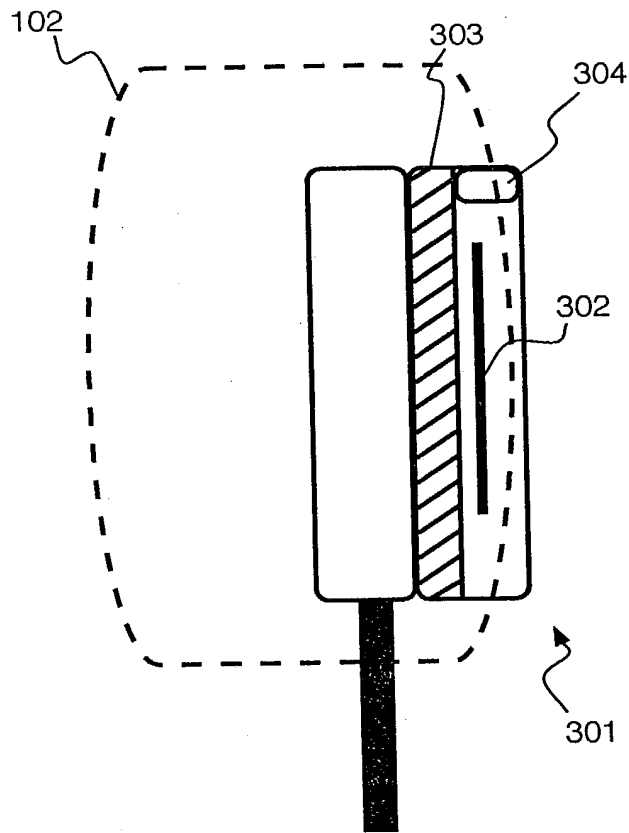


FIGURE 3A

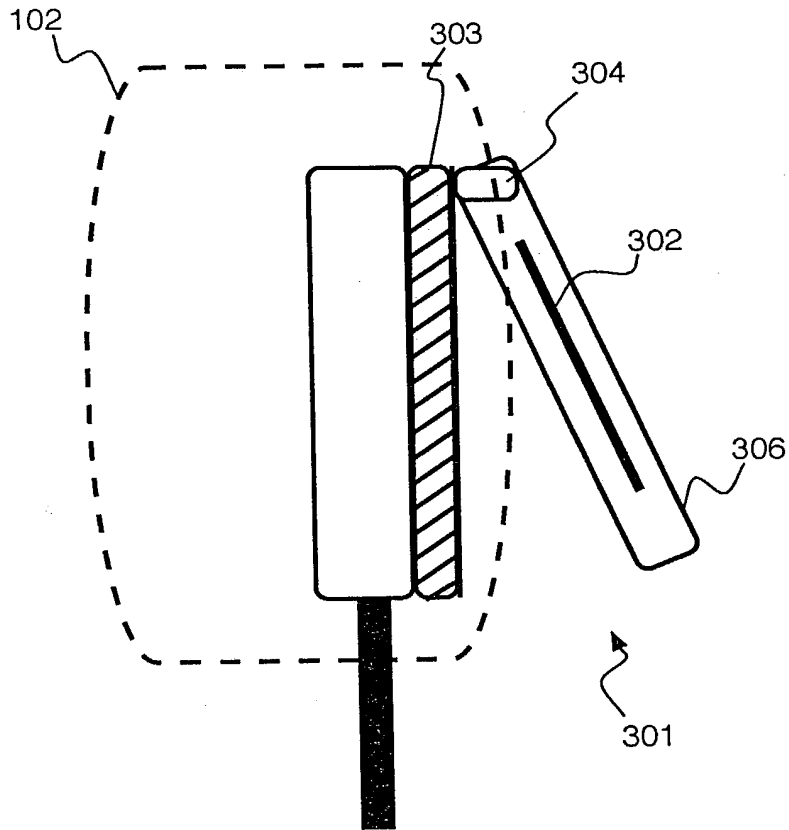


FIGURE 3B

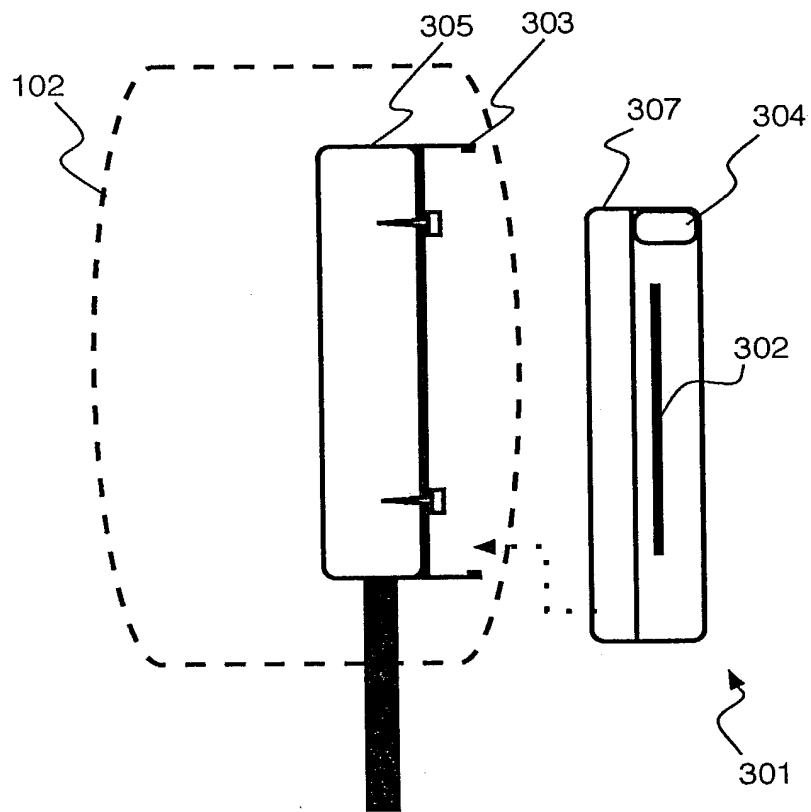


FIGURE 3C

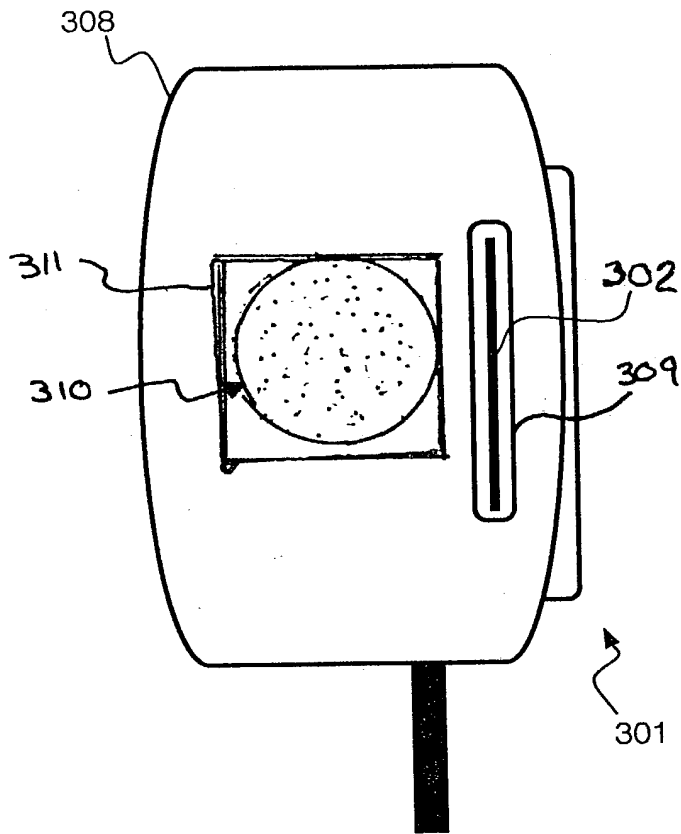


FIGURE 3D

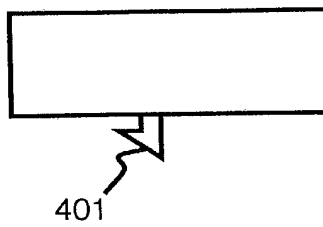


FIGURE 4A

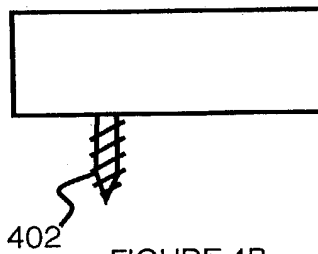


FIGURE 4B

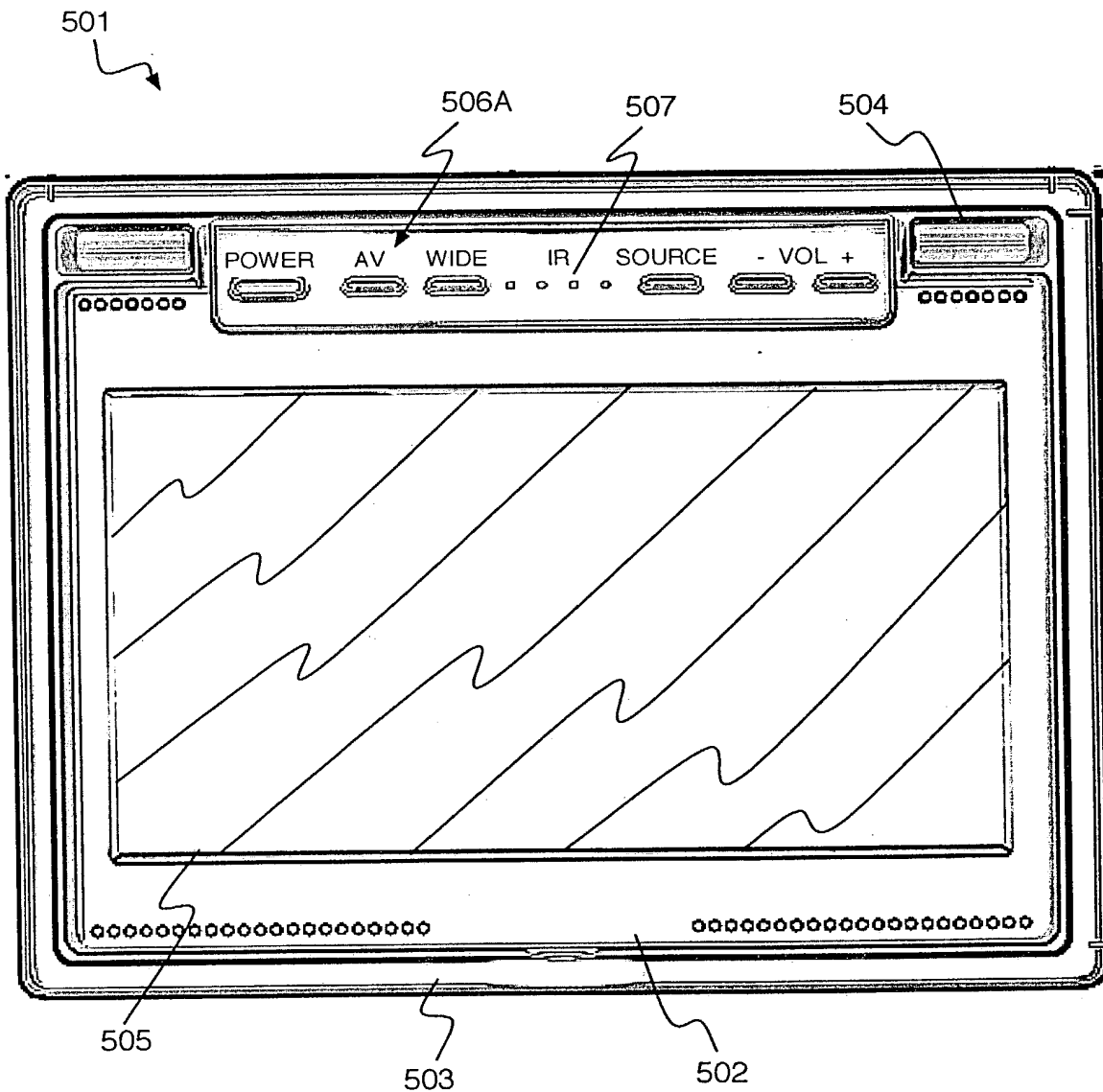


FIGURE 5A

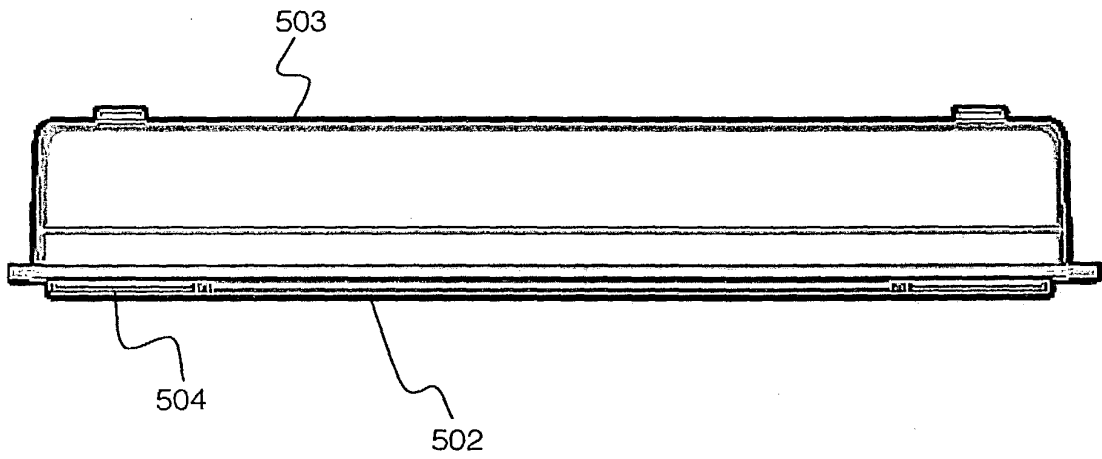


FIGURE 5B

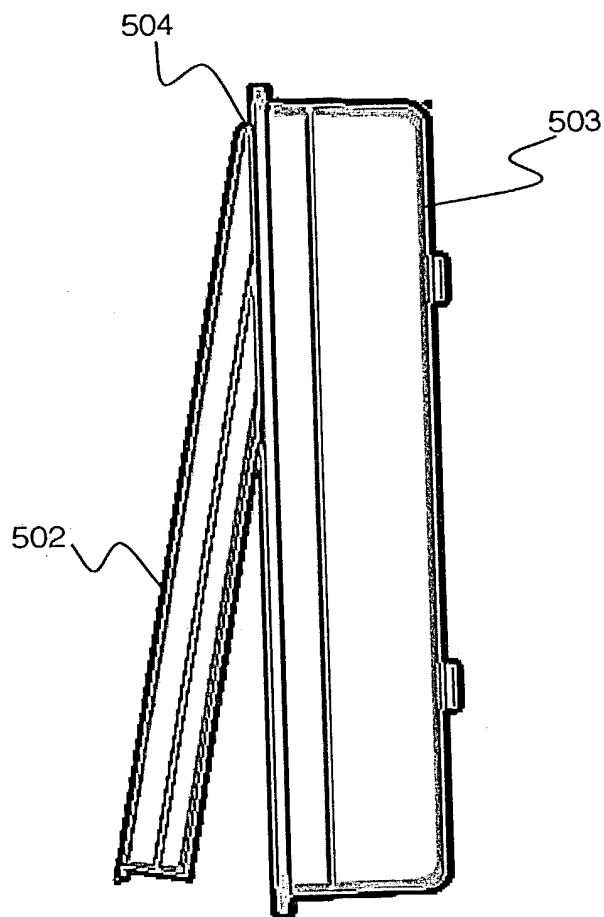


FIGURE 5C

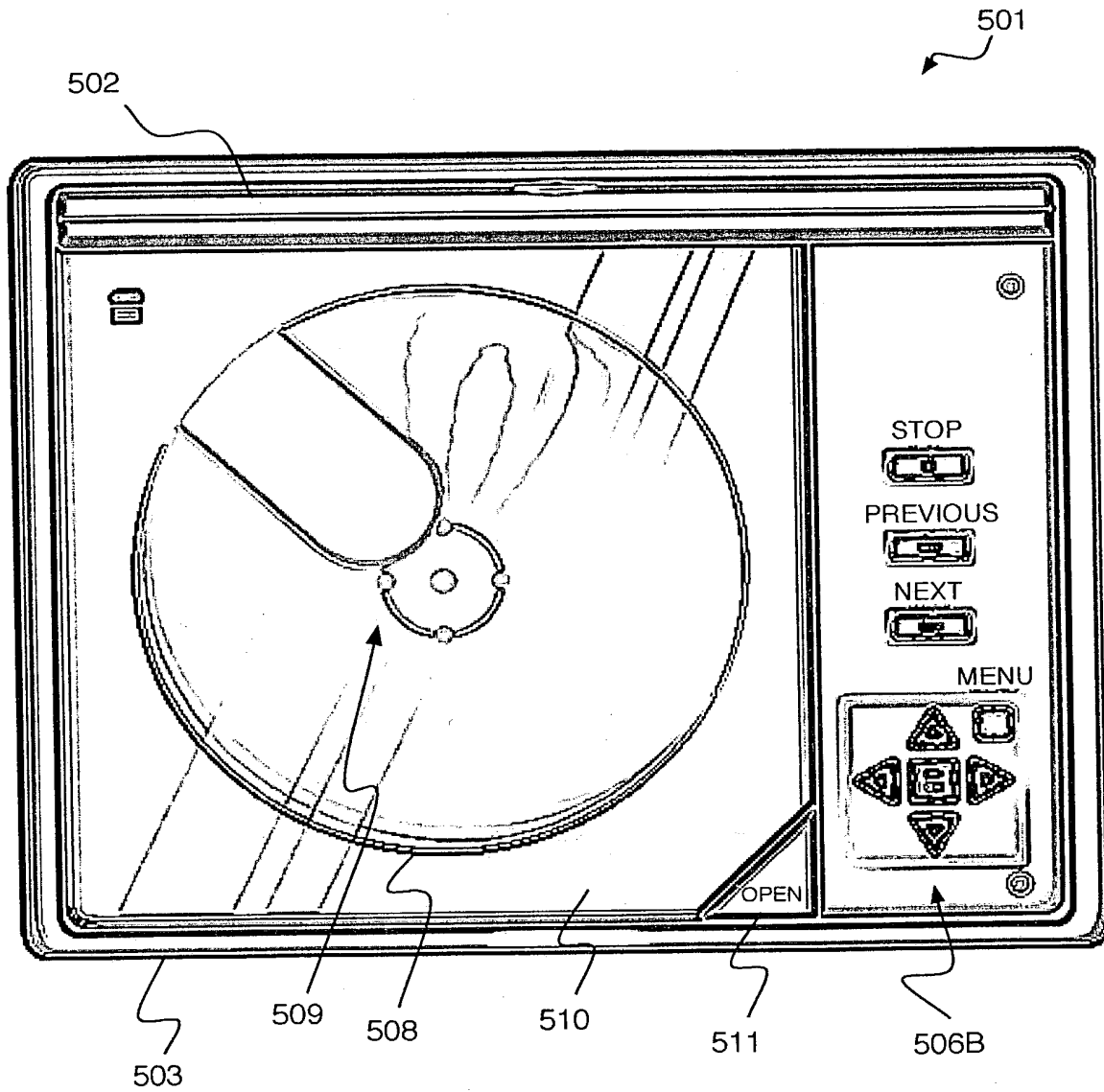


FIGURE 5D

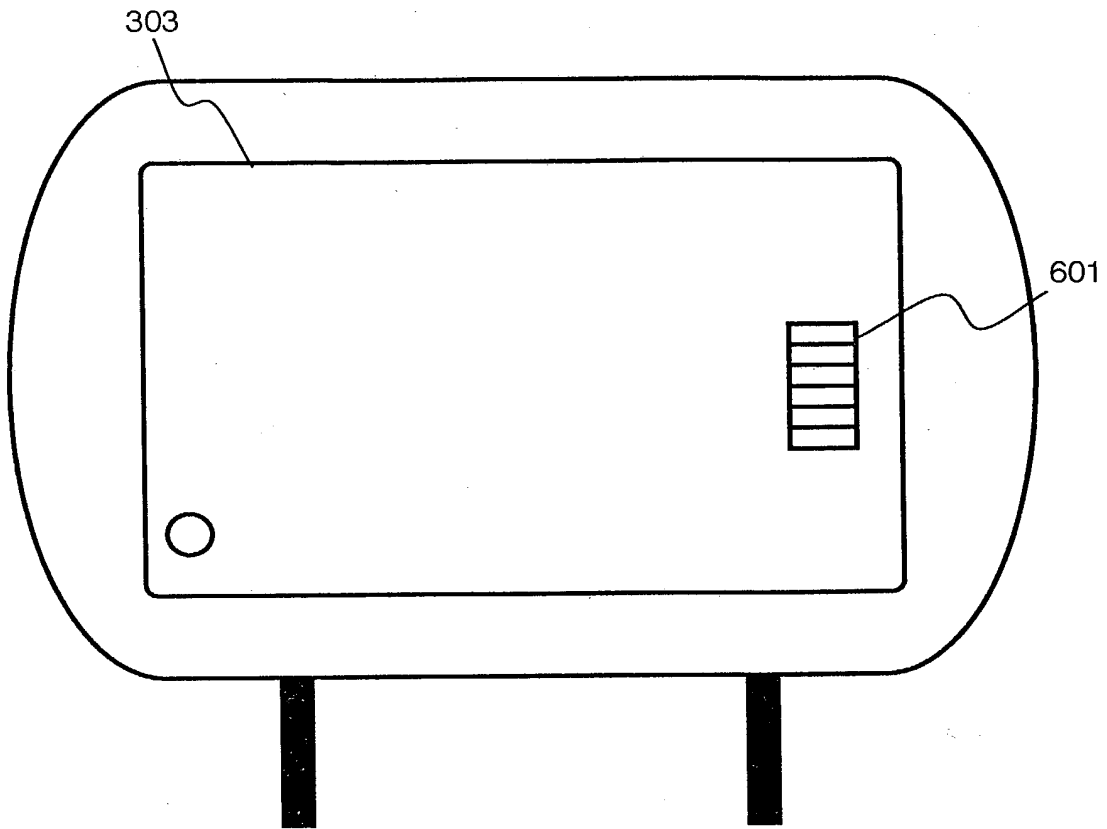


FIGURE 6A

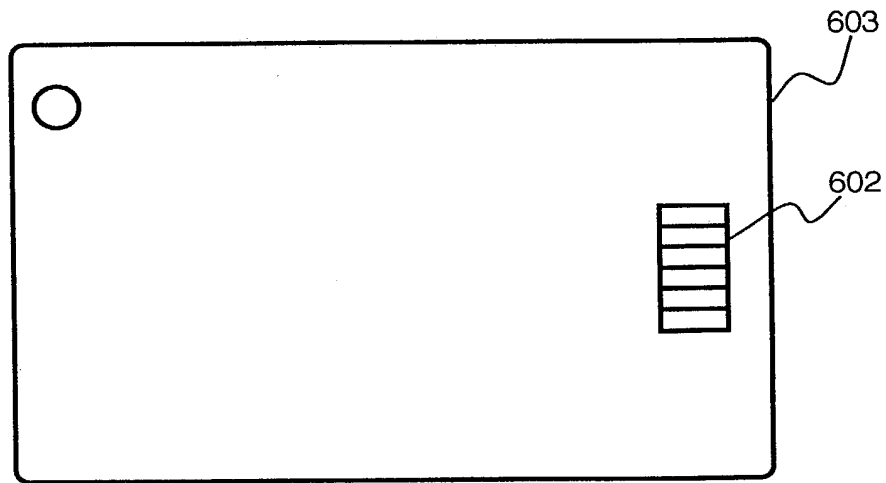


FIGURE 6B

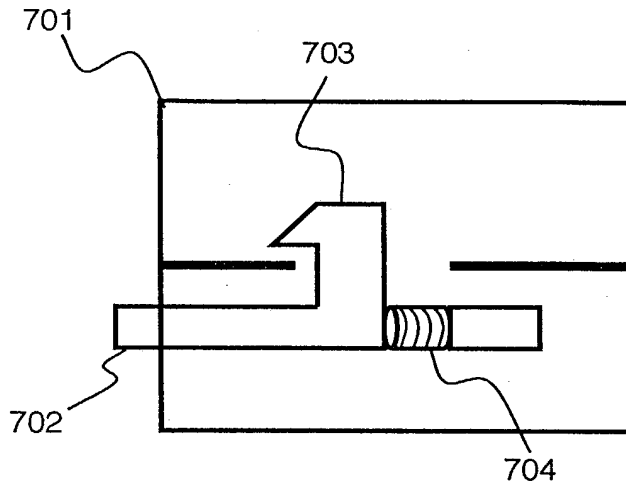


FIGURE 7A

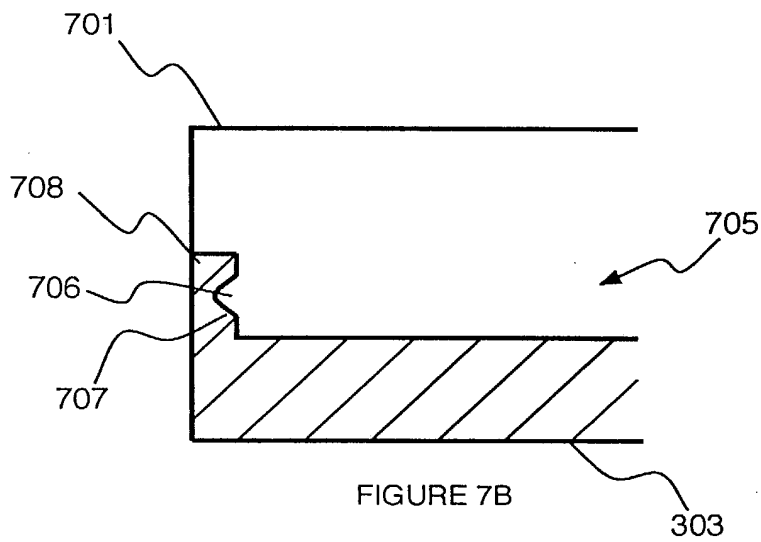


FIGURE 7B

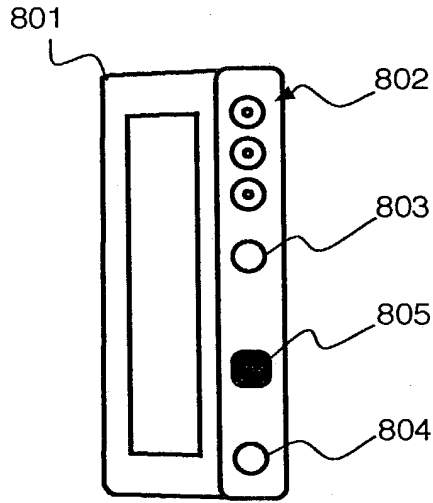


Figure 8

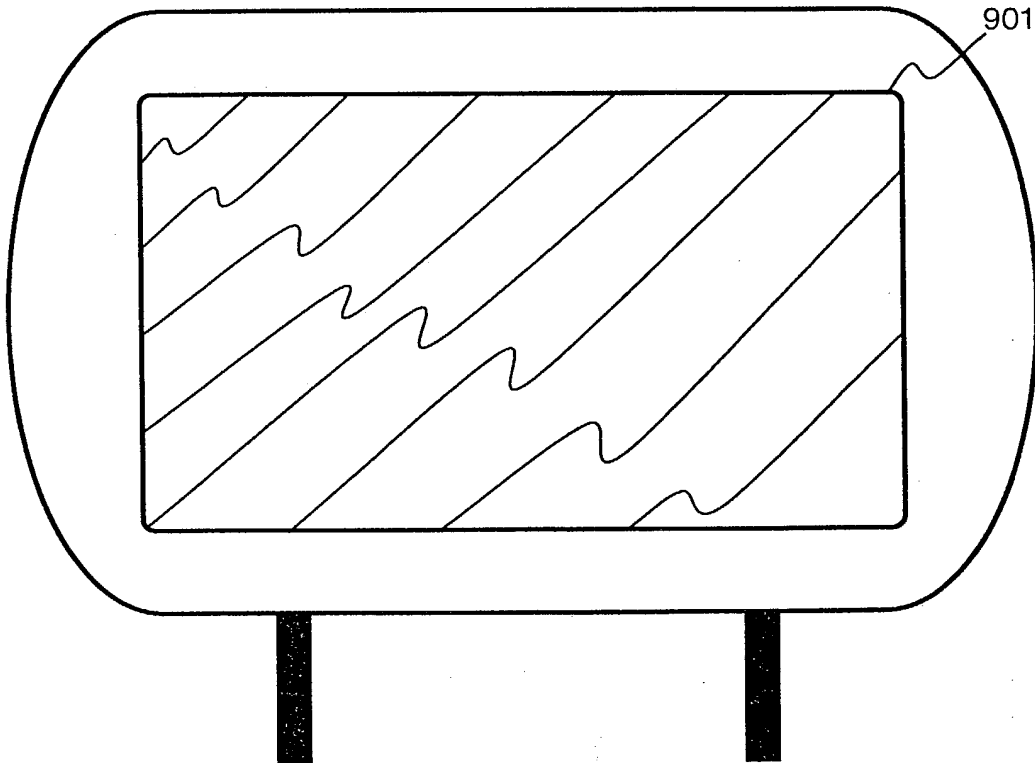


Figure 9

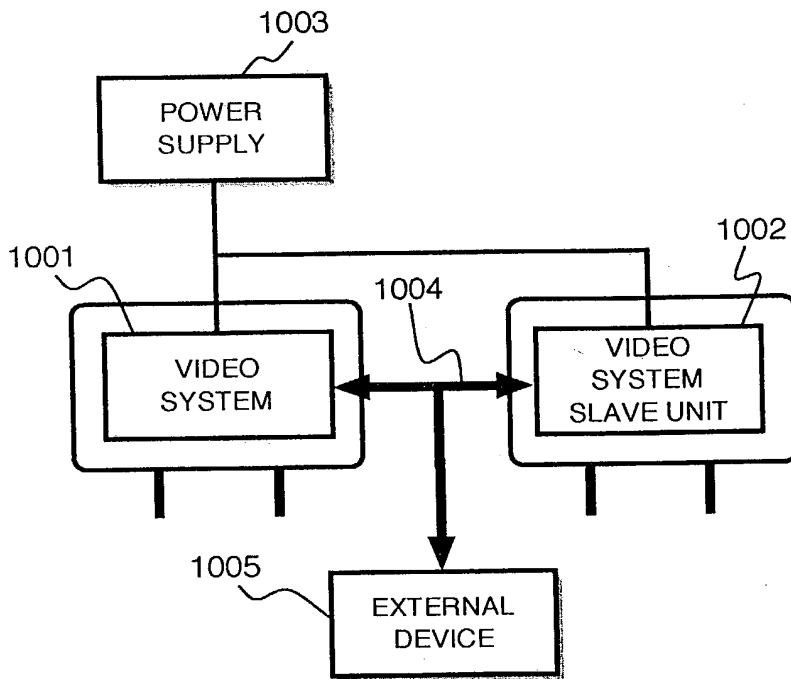


Figure 10

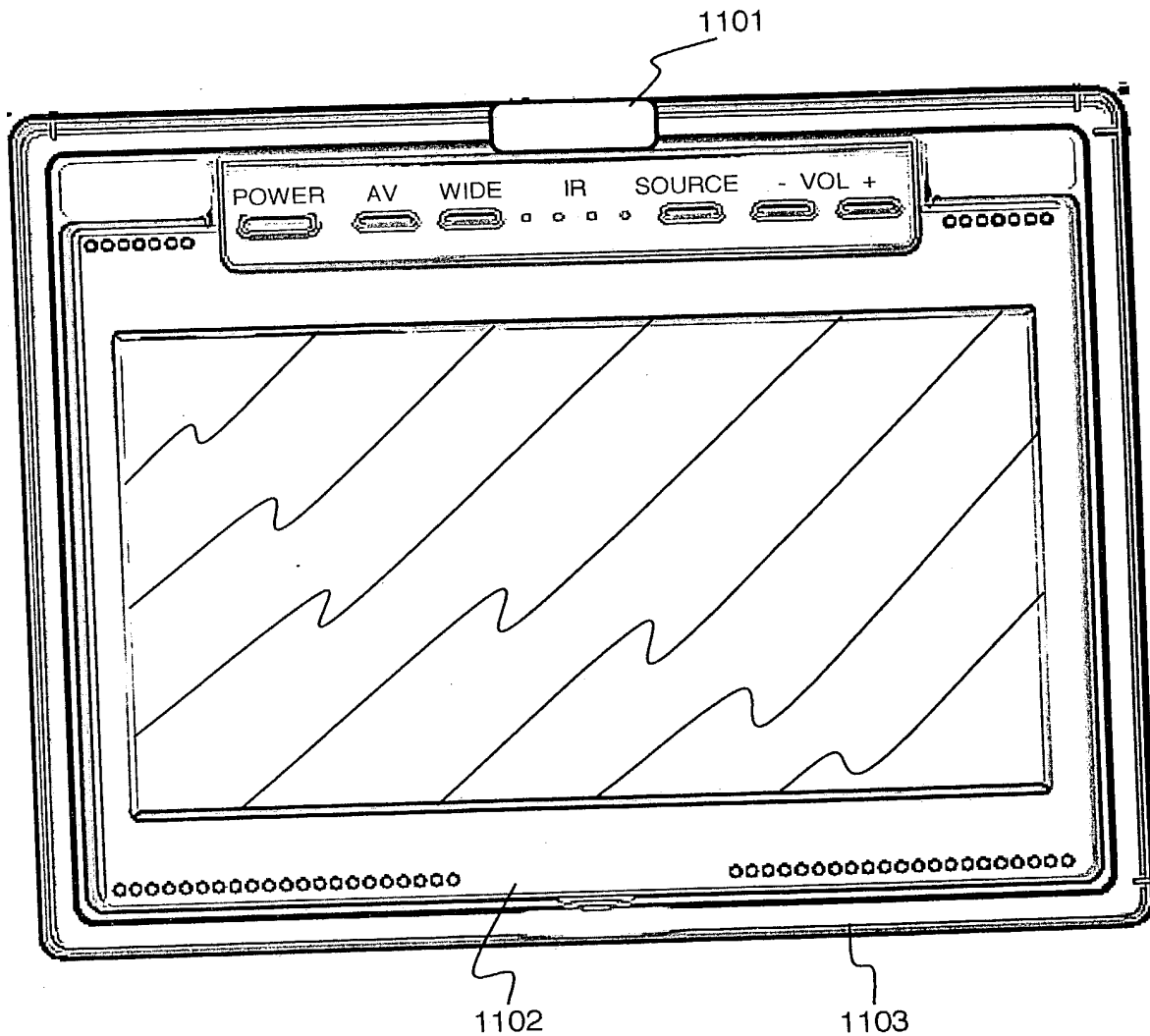


FIGURE 11A

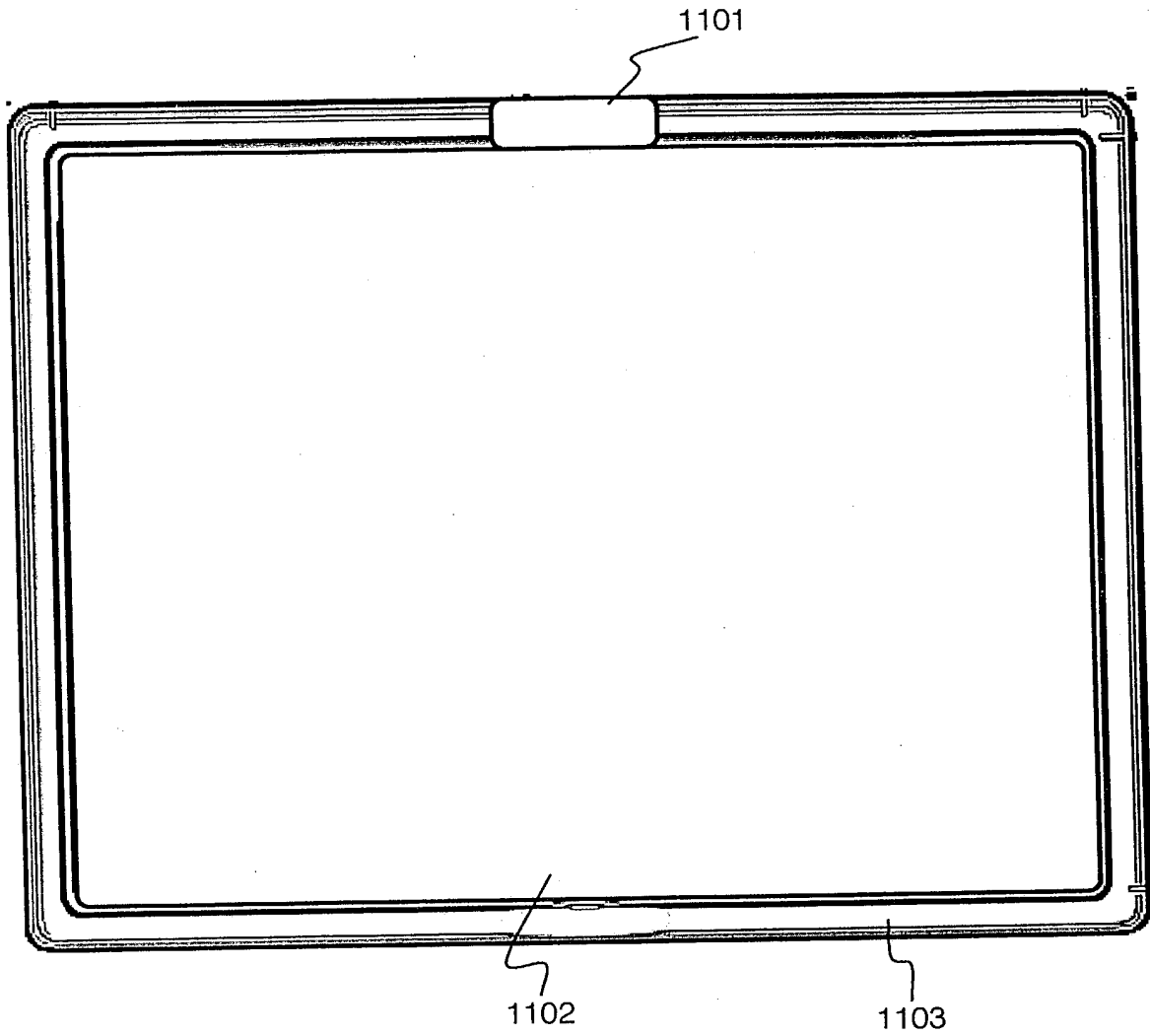


FIGURE 11B

PATENT APPLICATION SERIAL NO. _____

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

05/19/2003 JBALINAN 00000016 10438724

01 FC:1001

750.00 OP

PATENT APPLICATION FEE DETERMINATION RECORD

Effective January 1, 2003

Application or Docket Number

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS	20	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	20 minus 20 = *	
INDEPENDENT CLAIMS	3 minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

SMALL ENTITY TYPE

OR OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	375.00
X\$ 9=	
X42=	
+140=	
TOTAL	

RATE	FEE
BASIC FEE	750.00
X\$18=	
X84=	
+280=	
TOTAL	20

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

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

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

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

1/21/03

(Column 1) (Column 2) (Column 3)

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

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

(Column 1) (Column 2) (Column 3)

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

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. 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.