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(54) Title: LIGHTWEIGHT AUDIO SYSTEM FOR AUTOMOTIVE APPLICATIONS AND METHOD

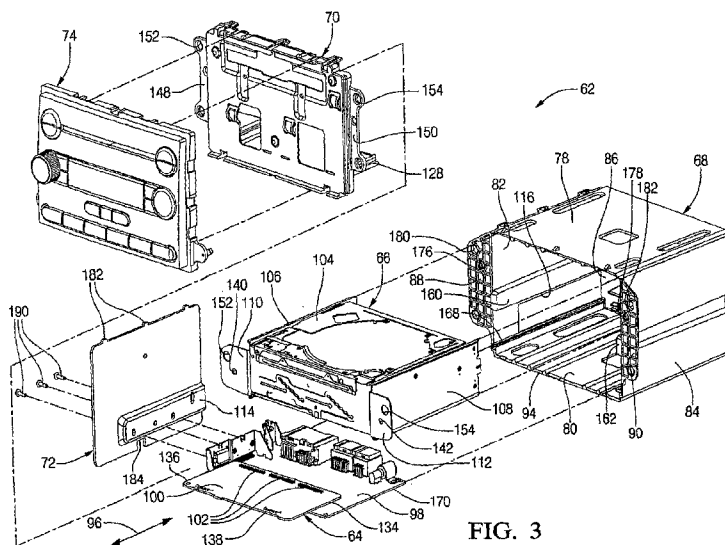


FIG. 3

(57) Abstract: A lightweight radio/CD player for vehicular application is virtually "fastenerless" and includes a case (68) and frontal interface (70) formed of polymer based material that is molded to provide details to accept audio devices such as playback mechanisms (if desired) and radio receivers, as well as the circuit boards required for electrical control and display. The case and frontal interface are of composite structure, including an insert molded electrically conductive wire mesh screen (212) that has been pre-formed to contour with the molding operation. The wire mesh provides EMC, RPI, BCI and ESD shielding and grounding of the circuit boards via exposed wire mesh pads and adjacent ground clips (218)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/18075

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H05K 9/00**(2006.01)

USPC: 174/377

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)

U.S. : 174/377, 361/816, 818

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 practicable, 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.
A	US 2001/0019477 (MURASAWA) 6 SEPTEMBER 2001 (06.09.2001) SEE FIG 5	1-11



Further documents are listed in the continuation of Box C.



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"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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