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

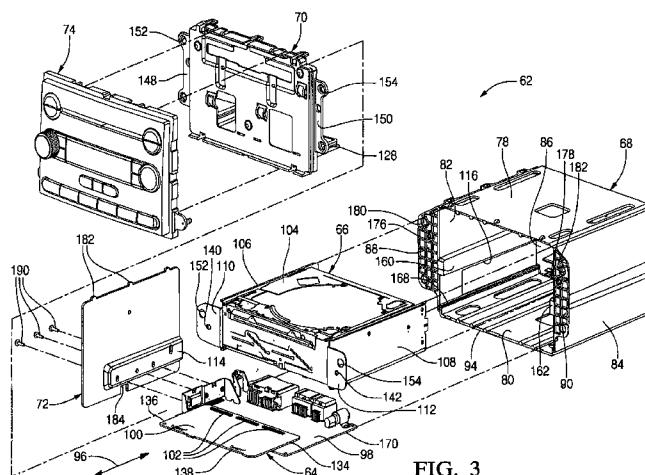


FIG. 3

(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).

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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 A (MURASAWA) 6 SEPTEMBER 2001 (06.09.2001) SEE FIG 5	1-13
A	US 2003/0128535 (OTANI ET AL) 10 JULY 2003 (10.07.2003) SEE FIG 1	1-13
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