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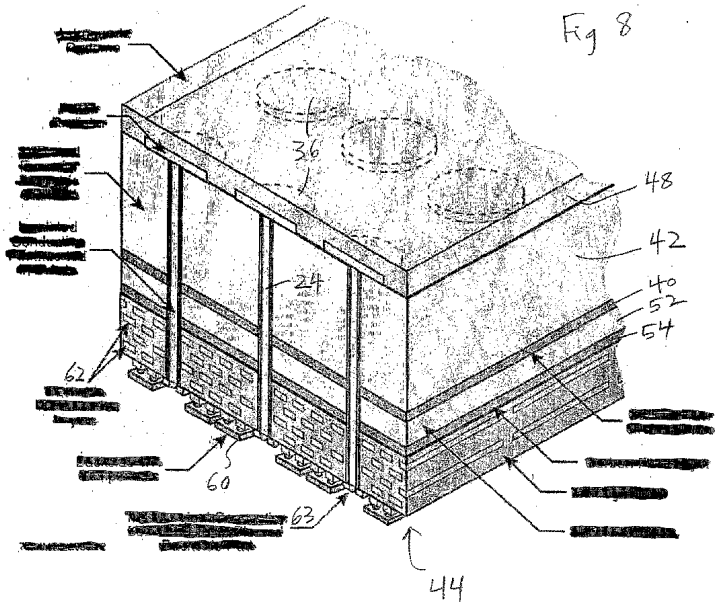
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(54) Title: ELECTROMECHANICAL STRUCTURE AND METHOD OF MAKING SAME



(57) Abstract: An electromechanical structure includes a core and a plurality of conductive pins through the core. The pins are configured to form a signal distribution network from a first side of the core to a second side of the core.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 06/29601

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): H01Q 01/28 (2007.01)
USPC: 343/705
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(8): H01Q 01/28 (2007.01)
USPC: 343/705

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 343/ 703, 708, 824-827, 878

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

PubWEST (USPT, PGPB, EPAB, JPAB); Wiley Interscience; CrossRef; Google; Google Scholar
Search Terms: aircraft honeycomb core circuit pin connect multilayer circuit board antenna

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,198,445 B1 (ALT et al.) 6 March 2001 (06.03.2001) entire document, especially col 2, ln 13-51; col 3, ln 42; col 4, 24; col 4, ln 59; col 5, ln 16; col 5, ln 58col 6, ln 35	1-106
Y	US 2005/0142694 A1 (CHOIU et al.) 30 June 2005 (30.06.2005) entire document, especially para [0039], [0042], [0055]	1-106
Y	Garfield Library, University of Pennsylvania "This Weeks Citation Classic" 02 June 1980 (02.06.1980); downloaded from the internet (http://www.garfield.library.upenn.edu/classics1980/A1980JS76800001.pdf) on 21 June 2007 (21.06.2007)	2-24, 31, 32, 34, 35, 39-61, 68-72, 80-92, and 102-104

☐ Further documents are listed in the continuation of Box C. ☐

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"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	Date of mailing of the international search report
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