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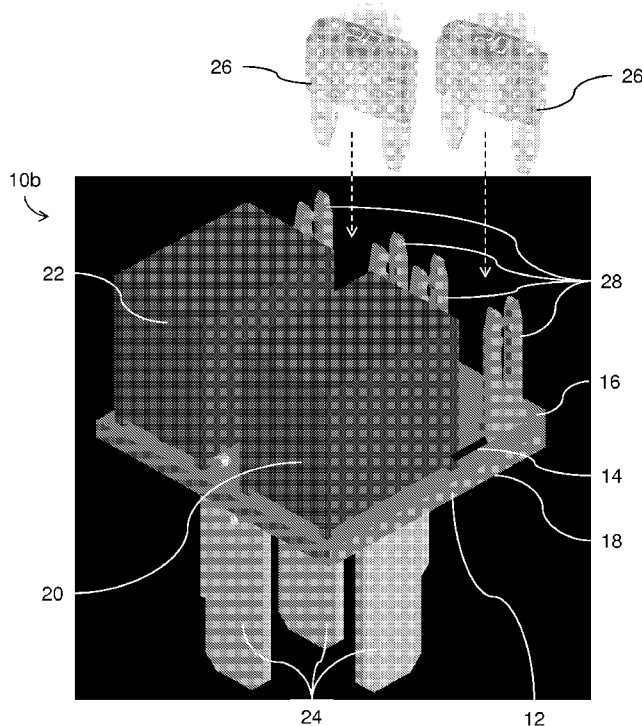
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[Continued on next page]

(54) Title: ELECTRICAL RELAY ASSEMBLY



(57) Abstract: A relay assembly configured for use in a vehicle electrical distribution center. The relay assembly includes a circuit board, a first and second relay disposed on the circuit board and a plurality of terminals electrically coupled to the first and second relays. The relay assembly also includes removable fuses to protect the circuits controlled by the first and second relays against over-current conditions. The relay assembly may be packaged as a mini-ISO relay package.



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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - H01H 1/58, 9/08, 85/046 (2013.01)
 USPC - 200/292, 520; 439/074
 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): H01H 1/58, 9/08, 85/046, 89/06; H02P 1/10; H02K 11/00 (2013.01)
 USPC: 200/292, 520; 439/74, 660

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)
 MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; Google/Google Scholar;
 printed circuit board relay trace terminal; circuit board relay terminal cover case box; circuit board relay terminal dimension size shape

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 4,808,114 A (MOHRI, M. et al.) February 28, 1989; figures 4 and 5; column 5, lines 54-61; column 5, lines 24-29; column 5, lines 29-36 and 43-61	1 ---
Y	US 2010/0317241 A1 (SUGIURA, T. et al.) December 16, 2010; figures 1, 8A, 8B, and 10; paragraphs [0008, 0060, 0061, 0090 and 0091]	2-6
Y	PCB Relay G2RL. Datasheet [online]. Omron Electronic Components, September 2011 [retrieved on 2013-11-26]. retrieved from the internet: <URL:http://www.components.omron.com>; page 5	4, 5
Y	US 2012/0003881 A1 (HORA, T.) January 5, 2012; figures 1 and 2; paragraph [0023]	5

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"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)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
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