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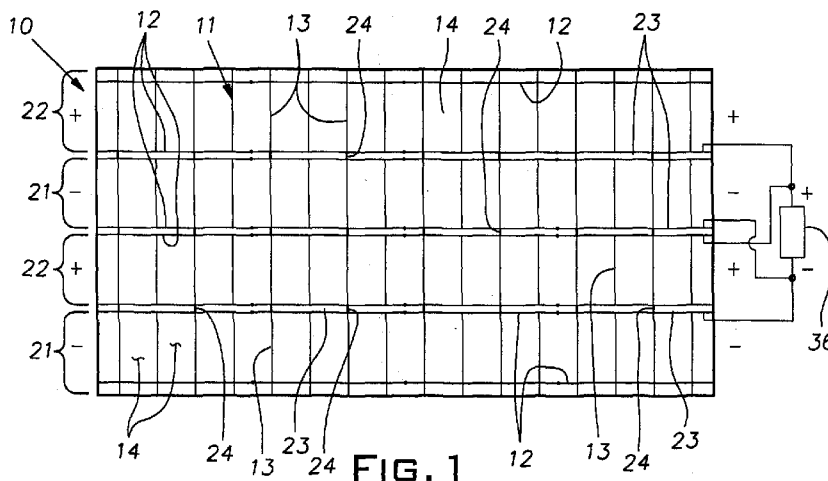
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(54) Title: DIRECTLY ELECTRIFIED CEILING GRID



(57) Abstract: An electrified grid for a suspended ceiling comprising first and second grid sections lying in a common ceiling plane, each grid section having metal main tees and metal cross tees intersecting with the main tees, the first and second sections being adjacent one another and having respective main tees in parallel alignment and with a fixed spacing not substantially greater than the length of the cross tees, the grid sections being electrically insulated from one another whereby at least said main tees of fixed spacing can be held at opposite voltage polarities and an electrical or electrical device carried on or above the ceiling can be powered by electrical connection of separate ones of its leads to the metal tees of a respective one of said first and second grid sections.

WO 2010/077466 A3

A. CLASSIFICATION OF SUBJECT MATTER***H02G 3/30(2006.01)i***

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)

H02G 3/30; E04B 1/00; E04B 2/00; E04B 5/00; E04B 9/06; E04B 9/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: ceiling, grid, structure, connector

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6305139 B1 (SAUER; GALE E.) 23 October 2001 See column 2, line 55 - column 3, line 42 and figure 1.	1-8
A	WO 03-029574 A1 (DAMPA APS et al.) 10 April 2003 See page 3, line 16 - page 5, line 21; claim 1 and figures 2-5.	1-8
A	US 2002-0124496 A1 (YU LIN et al.) 12 September 2002 See paragraph [0025] - paragraph [0040]; claim 1 and figures 1-2.	1-8
A	US 5517796 A1 (KOSKI; GERALD L. et al.) 21 May 1996 See column 3, line 30 - 59 and figure 1.	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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