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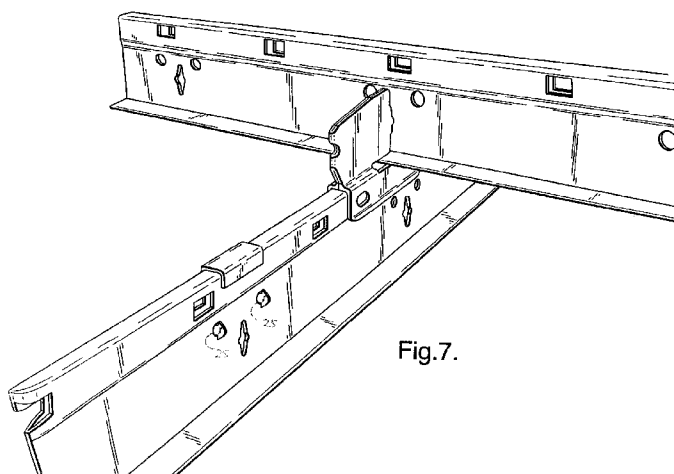
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(54) Title: CEILING SUSPENSION SYSTEM



(57) Abstract: The invention relates to a system for suspending ceiling tiles, comprising a plurality of substantially parallel upper supports, a plurality of substantially parallel lower supports which are substantially perpendicular to the upper supports and which cross the upper supports at crossing points, the upper supports having apertures and being suspended via suspending means, a mounting clip which affixes each lower support to an upper support at a crossing point, the lower supports each having a substantially vertical web, wherein the mounting clip has the form of two plates each having an upper section and a lower section and the upper section of each plate has a protruding section at one edge, and the two protruding sections each pass through an aperture in the upper support, whereby the lower sections of the two plates pass on opposite sides of the vertical web of the lower support and press against and grip the lower support as a result of the protruding sections being held within the aperture or apertures in the upper support. It also relates to a method for mounting ceiling tiles using this system, a novel mounting clip and a novel stop clip for use in the system and method.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2007/010802

A. CLASSIFICATION OF SUBJECT MATTER
INV. E04B9/16 E04B9/24

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)
E04B

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AU 56564 65 A (HILLS INDUSTRIES LIMITED) 21 September 1967 (1967-09-21) page 4, last paragraph; figure 4 -----	19-23
X	WO 2006/099753 A (GEORG HAAG AG [CH]; FISCHER HANS [CH]) 28 September 2006 (2006-09-28) figure 4 -----	19,20, 22,23
X	EP 1 083 340 A2 (BOSCH GMBH ROBERT [DE]) 14 March 2001 (2001-03-14) column 6, paragraph 35 - paragraph 36; figures 6,7 -----	19,20, 22,23
A	DE 11 99 957 B (HUNTER DOUGLAS INTERNAT CORP) 2 September 1965 (1965-09-02) column 3, paragraph 2; figures 1-4 ----- -/--	1,18

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

☒ See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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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
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- *&* document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 296 00 514 U1 (DONN PRODUCTS GMBH [DE]) 25 July 1996 (1996-07-25) page 6, paragraph 2; figures 1,2 -----	1,18
X	GB 658 481 A (CEDRIC FORD) 10 October 1951 (1951-10-10) figures -----	24,25
X	US 4 858 408 A (DUNN JAMES J [US]) 22 August 1989 (1989-08-22) figures -----	24,25
X	DE 36 06 127 A1 (SAARBERGWERKE AG [DE]) 9 April 1987 (1987-04-09) figures -----	24,25
X	NL 6 902 949 A (PHILIPS NV) 27 August 1970 (1970-08-27) figures 1,4,5 -----	24,25

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2007/010802

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-23

A mounting clip for fixing perpendicular ceiling supports
and a system comprising such a mounting clip

2. claims: 24, 25

A stop clip for spacing ceiling tiles

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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