



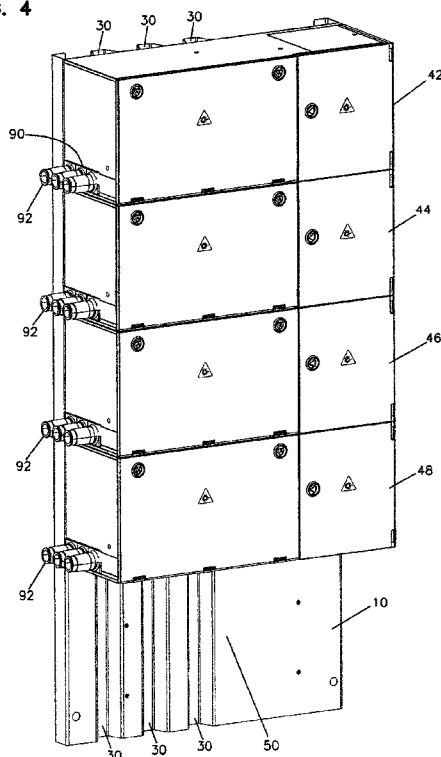
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[Continued on next page]

(54) Title: WALL MOUNTED PLATE WITH INTEGRATED DUCTS

FIG. 4



(57) Abstract: A telecommunications wall plate (10) for mounting to the wall surface comprising a body defining a front surface (20), and a rear surface (22) spaced from the front surface; the body including two opposite sides (12, 14), a top (16), and a bottom (18); the front surface defining at least one duct (30) extending from the top to the bottom and exposed along the front surface in the space between the front surface and the rear surface. The wall plate holds telecommunications boxes (40, 160, 300). The wall plate can be integral (10) or made from separate elements (202) that interlock with each other. Input and/or output cables can be placed in the ducts. Cables extending between the telecommunications boxes can be placed in the ducts after passing through rear openings (100, 300) in the boxes aligned with the ducts. DIN rails (804, 908, 910, 1010) can be used on the front of the wall plate.



SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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ADD.

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)

H04Q H05K H02G H02B G02B

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 132 242 A (HALL LAWRENCE ALTON [US] ET AL) 17 October 2000 (2000-10-17)	1-12, 15-22
Y	column 3, line 18 - column 6, line 36; figures 1-5	13,14
X	DE 30 15 585 A1 (TELEFONBAU & NORMALZEIT GMBH [DE]) 29 October 1981 (1981-10-29)	1,4,5, 7-12, 19-22
Y	page 5, line 18 - page 7, line 24; figures 1-3	2,3,6, 13,14
Y	US 4 131 330 A (STUPAY LAWRENCE J) 26 December 1978 (1978-12-26) column 8, line 31 - column 10, line 31; figures 1-6	2,3,6
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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.
Y	CN 2 872 772 Y (FEIXUN SCIENCE AND TECHNOLOGY [CN]) 21 February 2007 (2007-02-21) abstract; figures 1,2 -----	13,14
A	US 2003/095772 A1 (SOLHEID JAMES J [US] ET AL) 22 May 2003 (2003-05-22) cited in the application the whole document -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2012/058065

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6132242	A	17-10-2000	NONE
DE 3015585	A1	29-10-1981	NONE
US 4131330	A	26-12-1978	CA 1077162 A1 06-05-1980 DE 2713724 A1 06-10-1977 FR 2346942 A1 28-10-1977 GB 1582013 A 31-12-1980 JP S52138802 A 19-11-1977 US 4131330 A 26-12-1978
CN 2872772	Y	21-02-2007	NONE
US 2003095772	A1	22-05-2003	AT 434773 T 15-07-2009 AU 2002348355 A1 10-06-2003 CA 2467243 A1 30-05-2003 CN 1589416 A 02-03-2005 EP 1446691 A2 18-08-2004 ES 2328233 T3 11-11-2009 HK 1069878 A1 19-02-2010 MX PA04004641 A 13-08-2004 US 2003095772 A1 22-05-2003 WO 03045071 A2 30-05-2003