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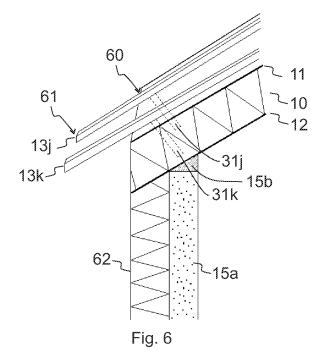
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(54) A method for supporting a building element, and a building element

(57)A method for supporting a building element, in which the building element comprises a thermally insulating core (10) and in which at least one supporting component (13) is provided on the first side of the building element. In the method, at least one supporting component (13) is supported by at least one auxiliary support (31) in a short section to a bearing structure (15) or an extension (15b) of a bearing structure on the other side of the building element. Furthermore, a building element is disclosed, which comprises a thermally insulating core (10) with a first side and a second side, and an auxiliary support (31) arranged to transmit a supporting force in a short section from the second side of the thermally insulating core (10) to the first side of the thermally insulating core. Furthermore, the building element comprises a supporting component (13) which is on the first side of the building element, and the auxiliary support (31) is arranged to transmit the supporting force in a short section from the second side of the building element (10) to the supporting component (13). The core (10) may be protected on its surface or surfaces with surface components (11, 12). The auxiliary support (31) may be shorter than the thickness of the core (10). The building element may comprise a joint sealing compound layer (92) on its side.





EUROPEAN SEARCH REPORT

Application Number

EP 11 39 7511

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	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with ir of relevant passa	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X Y	EP 0 450 731 A1 (OP 9 October 1991 (199 * column 3, lines 9 * page 2, line 14 *	1-10-09) -17, 34-58; figure 1 *	1,3-6,9, 10,15 11-14	E04B7/04 E04B7/22 E04B1/78
Х	[NL]) 22 May 1997 (NIDEK BOUWELEMENTEN 1997-05-22) 0-33; figures 6,7 *	1,4,5,9, 11,12,15	
Х	NL 1 009 690 C2 (DI WOUDE [NL]) 18 Janu * figures 2,4 *	CK CORNELIS VAN DER ary 2000 (2000-01-18)	1,2,4,6, 8,9,15	
Х	DE 198 01 370 A1 (M 29 October 1998 (19 * figures 1,4,10-12	98-10-29)	1,6,7	
X	NL 1 009 712 C1 (B0 ONROERE [NL]; STEIN B [N) 26 August 199 * page 6, lines 11-		1,2,4,5, 8,9,15	TECHNICAL FIELDS SEARCHED (IPC)
х	CH 670 673 A5 (SARN 30 June 1989 (1989- * page 3, lines 20-	06-30)	1-6	E04B
Y	AT 412 222 B (HUBNER WOLFGANG [AT]) 25 November 2004 (2004-11-25) * page 5, lines 31-35; figures 18-19 *		11-14	
X,P	EP 2 273 024 A2 (UN 12 January 2011 (20 * paragraphs [0042] *	1,2,4-6, 8-10		
	The present search report has I	'		English
	Place of search The Hague	Date of completion of the search 6 December 2016	ler	coux, Corentine
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS ioularly relevant if taken alone ioularly relevant if combined with another iment of the same category inological background written disclosure rediate document	T : theory or principle E : earlier patent doc after the filing date D : document cited in L : document cited fo	underlying the ir ument, but publis e the application or other reasons	nvention shed on, or

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 11 39 7511

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-12-2016

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	EP 0450731 A1	09-10-1991	EP 0450731 A1 NL 9000797 A	09-10-1991 01-11-1991
15	DE 19543330 A1	22-05-1997	DE 19543330 A1 EP 0775787 A1	22-05-1997 28-05-1997
	NL 1009690 C2	18-01-2000	NONE	
20	DE 19801370 A1	29-10-1998	NONE	
	NL 1009712 C1	26-08-1998	NONE	
25	CH 670673 A5	30-06-1989	AT 381749 B CH 670673 A5 DE 3509514 A1	25-11-1986 30-06-1989 31-07-1986
	AT 412222 B	25-11-2004	NONE	
30	EP 2273024 A2	12-01-2011	BE 1018822 A5 EP 2273024 A2	06-09-2011 12-01-2011
35				
40				
45				
50				
55	FORM P0459			

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82