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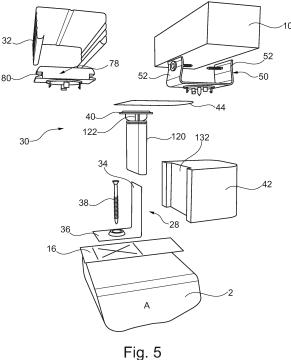
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SYSTEM FOR INTERNAL INSULATION OF BUILDINGS, IN PARTICULAR OF SLANTED ROOFS (54)AND MOUNTING METHOD FOR THE INTERNAL INSULATION

A system for internal insulation of buildings, in particular slanted roofs and mounting method for the internal insulation.

In a system for internal insulation of buildings, in particular of slanted roofs with a wooden basic construction including rafters and/or beams and slats or profile strips arranged thereon at a distance attachment devices are used which are configured in two components, namely a base element and an attachment element adjustable relative thereto, wherein the relative positioning of attachment element and base element is fixate able.





EUROPEAN SEARCH REPORT

Application Number EP 16 16 6578

1	DOCUMENTS CONSID						
Category	Citation of document with ir of relevant passa	ndication, where appropriate,		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)		
Х	EP 0 924 365 A1 (RA 23 June 1999 (1999-	PID SA [FR]) 06-23)	1 2	1,3,7, 13,15, 20,21, 23,24	INV. E04B9/20 E04D13/16 E04B7/02		
Υ	* figures 3,4 *			2,4,25	ADD.		
Х	FR 2 858 824 A1 (ET 18 February 2005 (2			1,3,7, 13,20, 23,24	E04B9/18 E04G21/18 E04F13/08		
	* pages 1,2,6-9; fi	gures 1-4 *		.0,21	2011 207 00		
Х	GB 2 194 261 A (COL 2 March 1988 (1988- * figures 1,2B *		HARLES) 1	1,3,24	TECHNICAL FIELDS SEARCHED (IPC)		
Y	DE 43 39 979 A1 (TR 1 June 1995 (1995-0 * abstract; figure	6-01)	ES [DE]) 2	2,25			
Y	DE 199 63 028 A1 (R [DE]) 5 July 2001 (* figure 2 *		LWOLLE 2	2,25			
A	FR 2 636 657 A1 (LE 23 March 1990 (1990 * figures 1-4 *		[FR]) 1	1,25	E04B E04D E04G E04F		
Y	BE 562 356 A (GREGO 3 June 1960 (1960-0 * figure 13 *) 4	ļ			
X	GB 1 144 450 A (OWE CORP) 5 March 1969 * figures 9-13 *		S CORNING FIBERGLASS 1969-03-05)				
	The present search report has I	•			Examiner		
The Hague		Date of completion of the search 14 December 2016		Leroux, Corentine			
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with another of the same category nological background written disclosure mediate document	T : E : D L :	theory or principle urearlier patent document after the filling date document cited in the document cited for omember of the same document	L nderlying the in nent, but publis ne application other reasons	nvention shed on, or		



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Application Number

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	CLAIMS INCURRING FEES						
	The present European patent application comprised at the time of filing claims for which payment was due.						
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):						
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.						
20	LACK OF UNITY OF INVENTION						
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:						
25							
	see sheet B						
30							
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.						
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.						
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims: 1-7, 12, 13, 15-25						
45	None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention						
50	first mentioned in the claims, namely claims:						
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).						



LACK OF UNITY OF INVENTION SHEET B

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely: 1. claims: 1-3, 7, 13, 15, 20, 21, 23-25 10 positioning the base elements at the rafters 2. claims: 4-6, 12, 16-19, 22 15 alternative fixations of the attachment element to the base element 3. claims: 8-11 20 additional support for insulation 4. claim: 14 25 lateral blocking of the slat element 30 35 40 45 50 55

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

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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.

14-12-2016

10	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
	EP 0924365	A1	23-06-1999	EP FR	0924365 A1 2772405 A1	23-06-1999 18-06-1999
15	FR 2858824	A1	18-02-2005	NONE		
	GB 2194261	Α	02-03-1988	NONE		
	DE 4339979	A1	01-06-1995	NONE		
20	DE 19963028	A1	05-07-2001	AT DE EP	294944 T 19963028 A1 1111289 A2	15-05-2005 05-07-2001 27-06-2001
25	FR 2636657	A1	23-03-1990	NONE		
	BE 562356	Α	03-06-1960	BE GB	562356 A 874735 A	14-12-2016 10-08-1961
30	GB 1144450	A	05-03-1969	BE DE GB NL US	676985 A 1609442 A1 1144450 A 6602543 A 3513613 A	24-08-1966 26-03-1970 05-03-1969 29-08-1966 26-05-1970
35						
40						
45						
50						
55	FORM P0459					

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