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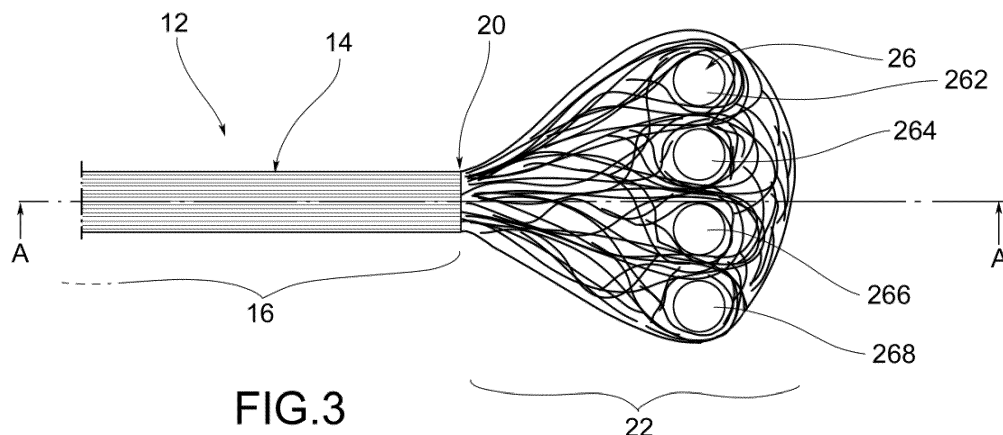
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(62) Document number(s) of the earlier application(s) in
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(54) **CONNECTION ELEMENT FOR THE BUILDING INDUSTRY, METHOD FOR CONSOLIDATING A STRUCTURAL AND NON-STRUCTURAL ELEMENT, AND RELATED INSTALLATION KIT**

(57) A connection element (12) in composite material comprising a bundle of fibres (14) and a binding agent. The connection element (12) further comprises an insertion portion (16) having two ends (18, 20). The insertion portion (16) comprises a section of said bundle of fibres embedded in said binding agent to form a monolithic structure; at at least one of the ends (18, 20) a fixing

portion (22, 24) is provided. The fixing portion (22, 24) comprises fibres (14) overhanging from the insertion portion (16) and partially embedded in the monolithic structure. The fibres are predisposed with anchorage means (26, 28) adapted to realize an anchorage between said fibres (14) of the fixing portion (22, 24) and a plaster and/or a reinforcement element.





EUROPEAN SEARCH REPORT

Application Number

EP 25 16 6711

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X A	US 2016/053503 A1 (ERVIN TIMOTHY R [US] ET AL) 25 February 2016 (2016-02-25) * figures 1, 2 *	1-4, 6, 8-11 5	INV. E04C5/07 E04G23/02
X A	US 2009/044476 A1 (AGNELONI EMO [IT]) 19 February 2009 (2009-02-19) * figures 1A - 3A *	1, 2, 4, 6-11 5	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04C E04G
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		8 April 2025	Bauer, Josef
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2016053503 A1	25-02-2016	NONE	

US 2009044476 A1	19-02-2009	AT E481540 T1	15-10-2010
		AU 2006215255 A1	24-08-2006
		BR PI0608142 A2	17-11-2009
		CA 2596670 A1	24-08-2006
		CN 101137807 A	05-03-2008
		EA 200701724 A1	28-02-2008
		EG 24580 A	10-11-2009
		EP 1848868 A1	31-10-2007
		HK 1117581 A1	16-01-2009
		IL 185222 A	30-11-2010
		JP 2008530408 A	07-08-2008
		MA 29320 B1	03-03-2008
		NZ 561557 A	30-10-2009
		TN SN07316 A1	31-12-2008
		UA 90297 C2	26-04-2010
		US 2009044476 A1	19-02-2009
		WO 2006087751 A1	24-08-2006
		ZA 200706864 B	29-07-2009

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