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(54) **Roof covering element**

(57) The invention relates to a roof covering element for a substantially flat roof, comprising a layer of flexible watertight material, such as bituminous material or plastic and a layer of hook material provided with hooks extending at least partially over the lower surface of the roof covering element and which is adapted to be engaged by fastening material attached to the substrate of the roof, wherein the fastening material is arranged in the form of separate pieces distributed over the surface of the roof

covering element. The positions of the pieces of hook material are fixed during the production of the roof covering elements, so that these are not the dependent on the roof coverer. The invention also relates to a corresponding carrier and a corresponding substrate element to be located on a carrier of the roof and comprising a layer of fastening material extending over substantially the whole surface. The invention also provides a corresponding method.

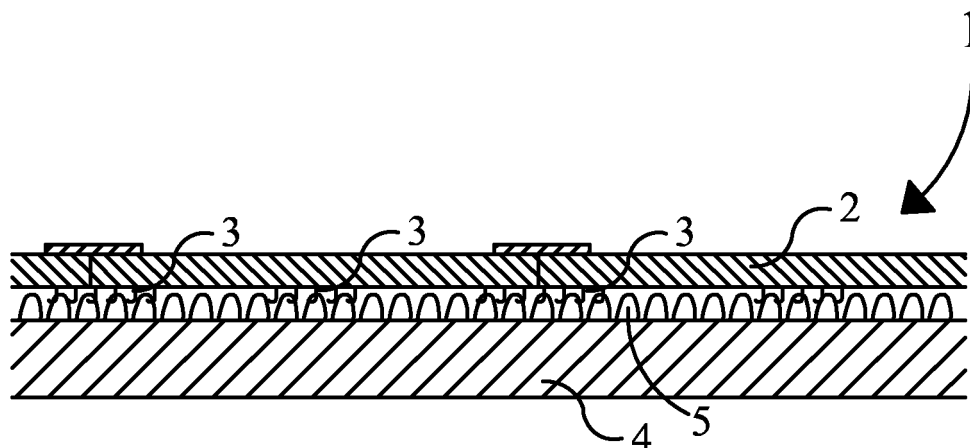


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 12 16 3406

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	DATABASE WPI Week 199302 Thomson Scientific, London, GB; AN 1993-014760 XP002679333, -& JP 4 343959 A (KURARAY CO LTD) 30 November 1992 (1992-11-30) * the whole document *	1-3,6-9, 15,17	INV. E04D5/12 E04D5/14
X	----- GB 2 438 526 A (SOLAR CENTURY HOLDINGS LTD [GB]) 28 November 2007 (2007-11-28)	1-3,6,7, 17	TECHNICAL FIELDS SEARCHED (IPC) F24J H01L E04D
Y	* figure 9 *	1-3,6,7, 15	
X	----- "Only by learning from the past, we can meet the demands of the future - Roofing membranes", 1 July 2008 (2008-07-01), pages 1-8, XP55012101, Eisenbahnstraße 6- 8, 68199 Mannheim, Germany Retrieved from the Internet: URL:http://www.barbourproductsearch.info/SIG-design-&-technology-rhepanol-fk-roof-membrane-file014249.pdf [retrieved on 2011-11-14]	8,9,17	
Y	----- * page 6 *	1-3,6,7, 15	
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2 The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 October 2012	Examiner Demeester, Jan
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	

EPO FORM 1503 03/82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number
EP 12 16 3406

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	"Roofing Membrane System - Rhepanol fk", ; 1 September 2008 (2008-09-01), pages 1-85, XP55012100, Eisenbahnstraße 6 - 8, D-68199 Mannheim, Germany Retrieved from the Internet: URL:http://www.ribaproductselector.com/Docs/8/19448/external/COL1619448.pdf [retrieved on 2011-11-14]	8,9,17	TECHNICAL FIELDS SEARCHED (IPC)
Y	* pages 11-18 * * page 78 *	1-3,6,7,15	
X	----- JP H02 123519 U (NOT KNOWN) 11 October 1990 (1990-10-11) * the whole document *	8,9,17	
X	----- US 2009/255201 A1 (KRAUS JR DAVID P [US] ET AL) 15 October 2009 (2009-10-15) * paragraphs [0119], [0125] - [0126]; figures 1, 2, 4-5 *	10,12-14,18	
X	----- DE 22 63 375 A1 (BRAAS & CO GMBH) 4 July 1974 (1974-07-04) * figures *	10-12,18	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 October 2012	Examiner Demeester, Jan
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	

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<p>CLAIMS INCURRING FEES</p> <p>The present European patent application comprised at the time of filing claims for which payment was due.</p> <p><input type="checkbox"/> 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):</p> <p><input type="checkbox"/> 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.</p>
<p>LACK OF UNITY OF INVENTION</p> <p>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:</p> <p>see sheet B</p> <p><input checked="" type="checkbox"/> All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.</p> <p><input type="checkbox"/> As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.</p> <p><input type="checkbox"/> 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:</p> <p><input type="checkbox"/> 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 first mentioned in the claims, namely claims:</p> <p><input type="checkbox"/> 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).</p>



**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: 1-9, 15

Roof covering element with strips comprising weakened joint

2. claims: 10-14, 17, 18

Carrier with layer of fastening material over its whole top surface

**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.

23-10-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 4343959 A	30-11-1992	JP 3056828 B2 JP 4343959 A	26-06-2000 30-11-1992
GB 2438526 A	28-11-2007	GB 2438526 A WO 2007138316 A1	28-11-2007 06-12-2007
JP H02123519 U	11-10-1990	JP 5041134 Y2 JP H02123519 U	19-10-1993 11-10-1990
US 2009255201 A1	15-10-2009	CA 2720797 A1 CN 102057115 A EP 2288769 A2 US 2009255201 A1 WO 2009126768 A2	15-10-2009 11-05-2011 02-03-2011 15-10-2009 15-10-2009
DE 2263375 A1	04-07-1974	NONE	