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(54) Jointing composite fabrics

(57) Composite fabric comprising spaced apart linear yarns extending in the longitudinal plane of the fabric, wherein at least some of said yarns are turned back and extend at least partially back through the fabric in said spaced apart relationship, wherein the yarns are interconnected and encapsulated by a homogeneous matrix material leaving free loops extending from at least one end of the matrix material which are formed by the apexes of the turned back yarns.

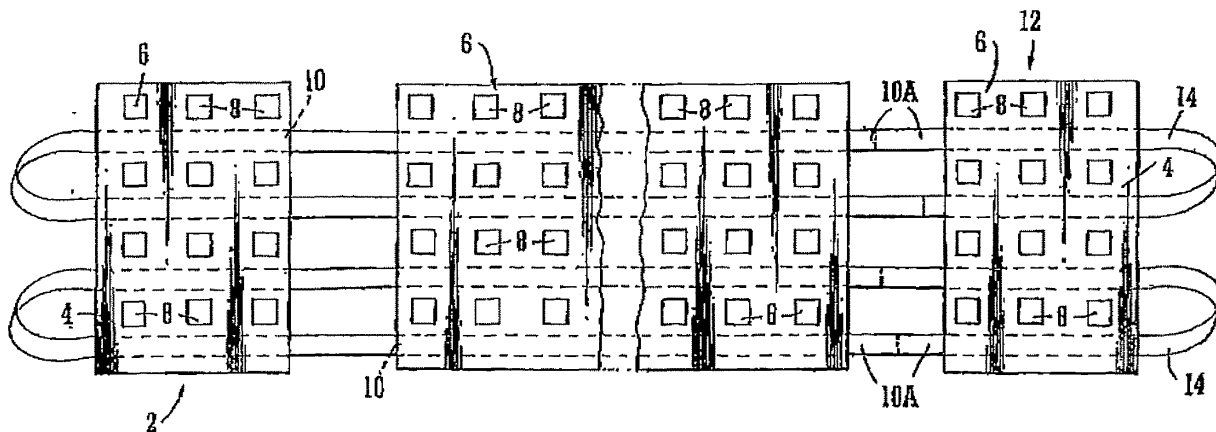


FIG. 4

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EUROPEAN SEARCH REPORT

Application Number
EP 05 10 4306

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
P,X	US 2005/102763 A1 (EAGLES) 19 May 2005 (2005-05-19) * the whole document *	1,3,4,6, 7,11,12	INV. D21F1/00
A	GB 2 254 287 A (SCAPA GROUP PLC) 7 October 1992 (1992-10-07) * the whole document *	1,4,6-9, 12,13	
A	EP 0 399 674 A (SCAPA GROUP PLC) 28 November 1990 (1990-11-28) * the whole document *	1	
A	US 5 601 120 A (KUCKART ET AL) 11 February 1997 (1997-02-11) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			D21F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 August 2006	Examiner De Rijck, F
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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EPC FORM 1503 03.82 (P04C01)

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

EP 05 10 4306

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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16-08-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005102763 A1	19-05-2005	AU 2004297521 A1	23-06-2005
		CA 2546274 A1	23-06-2005
		EP 1689933 A2	16-08-2006
		WO 2005056920 A2	23-06-2005

GB 2254287 A	07-10-1992	NONE	

EP 0399674 A	28-11-1990	AT 133460 T	15-02-1996
		AU 624948 B2	25-06-1992
		AU 5489790 A	15-11-1990
		BR 9002181 A	13-08-1991
		CA 2016578 A1	13-11-1990
		CS 9002325 A2	15-10-1991
		DE 69024998 D1	07-03-1996
		DE 69024998 T2	05-09-1996
		ES 2085331 T3	01-06-1996
		FI 92422 B	29-07-1994
		GB 2231838 A	28-11-1990
		IN 176671 A1	24-08-1996
		JP 2755786 B2	25-05-1998
		JP 3064592 A	19-03-1991
		NO 902110 A	14-11-1990
		NZ 233534 A	25-09-1992
		US 5169570 A	08-12-1992
		ZA 9003362 A	27-02-1991

US 5601120 A	11-02-1997	AT 204934 T	15-09-2001
		AU 706425 B2	17-06-1999
		AU 7678996 A	22-08-1997
		BR 9612472 A	28-12-1999
		CA 2216966 A1	07-08-1997
		DE 69614891 D1	04-10-2001
		DE 69614891 T2	18-04-2002
		EP 0958434 A1	24-11-1999
		ES 2160845 T3	16-11-2001
		JP 11507418 T	29-06-1999
		NO 983495 A	29-09-1998
		PT 958434 T	30-01-2002
		WO 9728307 A1	07-08-1997
