



(11)

EP 3 296 437 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
18.07.2018 Bulletin 2018/29

(51) Int Cl.:
D03D 15/00 (2006.01) **D03D 27/08** (2006.01)
D03D 1/00 (2006.01)

(43) Date of publication A2:
21.03.2018 Bulletin 2018/12

(21) Application number: **17191679.4**

(22) Date of filing: **18.09.2017**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
MA MD

(72) Inventors:
• **Geonka, Dipali**
India 400013 Mumbai (IN)
• **Palit, Subrata**
India 400013 Mumbai (IN)

(74) Representative: **Avidity IP**
Broers Building
Hauser Forum
21 JJ Thomson Avenue
Cambridge CB3 0FA (GB)

(30) Priority: **16.09.2016 IN 201621031577**

(71) Applicant: **Welspun India Ltd**
Mumbai 400013 (IN)

(54) **PERFORMANCE FABRICS AND RELATED ARTICLES**

(57) An embodiment of the present disclosure is a performance fabric. The performance fabric includes a plurality of warp yarns extending along a warp direction. The warp yarn includes a first warp yarn and a second warp yarn that is directly adjacent to the first warp yarn. The plurality of warp yarns are blended staple warp yarns each of which has cotton fibers and regenerated cellulosic fibers. The performance fabric includes a plurality of weft yarns interwoven with the plurality of warp yarns to define a woven fabric structure. The plurality of weft yarns includes at least one yarn comprising thermoplastic fibers or a blend yarn comprising regenerated cellulosic fibers.

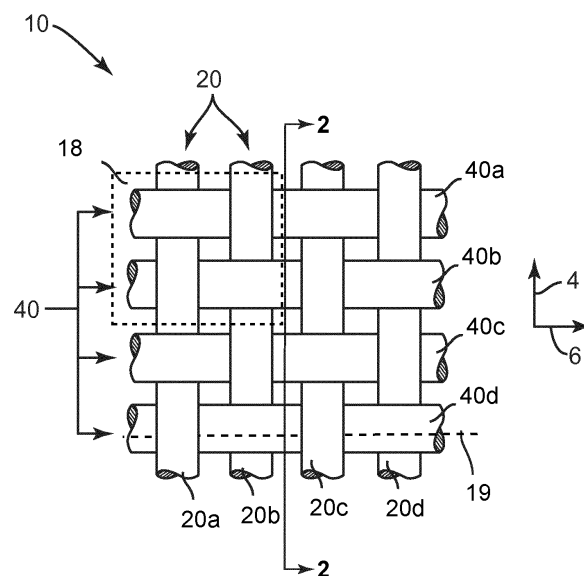


FIG. 1

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EUROPEAN SEARCH REPORT

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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	EP 1 085 113 A2 (DESCAMPS S A [FR]) 21 March 2001 (2001-03-21)	1-7, 14, 15	INV. D03D15/00
A	* paragraph [0001] - paragraph [0006] * * paragraph [0019] - paragraph [0020] * * paragraph [0058] *	8-13	D03D27/08 D03D1/00
X	US 2011/223398 A1 (DOBIN J MICHAEL [US]) 15 September 2011 (2011-09-15) * paragraph [0056] - paragraph [0079] * * claims 3-5 *	1-15	
A	US 4 191 221 A (BOYER HUGH J [US]) 4 March 1980 (1980-03-04) * example 1 *	1-15	
A	WO 2010/071910 A2 (CHEMIEFASER LENZING AG [AT]; LEITNER JOHANN [AT]; JEAUVONS BOB [GB]; KA) 1 July 2010 (2010-07-01) * examples 1-6 *	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			D03D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 June 2018	Examiner Hausding, 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 03.02 (P04C01)

**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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11-06-2018

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1085113 A2	21-03-2001	EP 1085113 A2	21-03-2001
		FR 2798400 A1	16-03-2001

US 2011223398 A1	15-09-2011	NONE	

US 4191221 A	04-03-1980	NONE	

WO 2010071910 A2	01-07-2010	AT 507758 A1	15-07-2010
		CN 102272365 A	07-12-2011
		EP 2382344 A2	02-11-2011
		WO 2010071910 A2	01-07-2010

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