

Title (en)
COOLING MATERIAL

Title (de)
KÜHLMATERIAL

Title (fr)
MATÉRIAU DE REFROIDISSEMENT

Publication
EP 3126553 A4 20170913 (EN)

Application
EP 15772318 A 20150402

Priority
• US 201461974010 P 20140402
• US 2015024176 W 20150402

Abstract (en)
[origin: WO2015153926A1] Disclosed are cooling materials for clothing and other body gear that may use a discontinuous pattern of highly absorbent polymers coupled to a base fabric that has a low resistance to moisture spread (e.g., a high wicking rate) and lower absorption properties compared to the highly absorbent polymer elements, to manage moisture (e.g., sweat) and body heat. The absorbance of the highly absorbent polymers is greater than that of the base fabric, such as at least two times greater, and the highly absorbent polymer elements may be non-endothermic.

IPC 8 full level
D01F 1/10 (2006.01); **A41D 13/005** (2006.01); **A41D 31/00** (2006.01); **D06M 15/00** (2006.01); **D06M 15/263** (2006.01); **D06M 23/16** (2006.01)

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A41D 31/12 (2019.01); **D06M 15/00** (2013.01); **D06M 15/263** (2013.01); **D06M 23/16** (2013.01); **A41D 13/0053** (2013.01)

Citation (search report)
• [X] EP 1894482 A2 20080305 - MMI IPCO LLC [US]
• [X] US 2003208831 A1 20031113 - LAZAR ROBERT P [US], et al
• [X] WO 2013044108 A1 20130328 - COLUMBIA SPORTSWEAR NA INC [US], et al
• [A] JP 2009185420 A 20090820 - DAIWA SEIKO INC
• See references of WO 2015153926A1

Designated contracting state (EPC)
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

DOCDB simple family (publication)
WO 2015153926 A1 20151008; CA 2944485 A1 20151008; CA 2944485 C 20181211; CN 106574403 A 20170419; CN 106574403 B 20190419; EP 3126553 A1 20170208; EP 3126553 A4 20170913; EP 3126553 B1 20201118; ES 2846808 T3 20210729

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