

Title (en)
CONSUMER PRODUCT COMPONENT

Title (de)
VERBRAUCHERPRODUKTKOMPONENTE

Title (fr)
ÉLÉMENT DE PRODUIT DE CONSOMMATION

Publication
EP 3692199 A1 20200812 (EN)

Application
EP 18792527 A 20181005

Priority
• DK PA201770761 A 20171006
• IB 2018057755 W 20181005

Abstract (en)
[origin: WO2019069283A1] A fabric comprising a plurality of textile fibres, wherein said plurality of fibres comprises fibres that have been selected from two groups of fibres. The first group of fibres comprises multiple fibres having a first average length, and the second group of fibres comprises multiple fibres having a second average length, the first average length being shorter than the second average length. Further, the fibres of the first group have a first length variance being greater than a second length variance of the fibres of the second group. Thereby, the elongation properties of the fabric is changed in respect of the cross direction of the fabric, whilst maintaining almost unchanged strength in the longitudinal direction at a low basis weight. The elongation properties include a controlled reduction in the cross- directional tensile strength and a corresponding increase in cross-directional elongation, whilst still providing enough cover and longitudinal direction strength for the material to be made and formed in industrial processes. Thus, the extension profile may be said to be engineered when using fibres of different average lengths in a fabric as disclosed. Further, the possibility of controlling the average lengths of fibres through the right selection of groups of fibres provides a possibility of engineering the strength in detail. More specifically, according to the present invention, a weakness is engineered in the cross direction, whereby the maximum elongation length in said cross direction is increased compared to a conventional and comparable fabric not comprising groups of fibres selected according to the invention.

IPC 8 full level
D04H 1/492 (2012.01); **D04H 1/498** (2012.01)

CPC (source: DK EP US)
D04H 1/46 (2013.01 - DK); **D04H 1/492** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP); **D10B 2509/026** (2013.01 - US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019069283 A1 20190411; DK 179815 B1 20190704; DK 201770761 A1 20190424; EP 3692199 A1 20200812; EP 3692199 B1 20231004; ES 2965446 T3 20240415; FI 3692199 T3 20231121; US 2020255991 A1 20200813

DOCDB simple family (application)
IB 2018057755 W 20181005; DK PA201770761 A 20171006; EP 18792527 A 20181005; ES 18792527 T 20181005; FI 18792527 T 20181005; US 201816753895 A 20181005