

Title (en)

HEAT-ACTIVATED CRIMPING TEXTILE

Title (de)

HITZEAKTIVIERBARE KRÄUSELTEXTILIE

Title (fr)

TEXTILE À ONDULATIONS ACTIVÉ PAR LA CHALEUR

Publication

**EP 4225980 A1 20230816 (EN)**

Application

**EP 21801356 A 20211007**

Priority

- US 202063089294 P 20201008
- US 2021053929 W 20211007

Abstract (en)

[origin: US2022112634A1] A heat-activated crimping textile is disclosed including a plurality of a first yarn, a plurality of a second yarn interlaced with the plurality of the first yarn, and a plurality of a third yarn interlaced with the plurality of the first yarn, the plurality of the second yarn, or both. The third yarn includes a heat-activated shrinkage factor of greater than 30% when exposed to a predetermined temperature. When the heat-activated crimping textile is exposed to an elevated temperature of at least the predetermined temperature, a plurality of crimps propagates along the heat-activated crimping textile, forming a crimped textile.

IPC 8 full level

**D03D 15/567** (2021.01); **D03D 13/00** (2006.01); **D04B 21/00** (2006.01)

CPC (source: EP US)

**D03D 13/004** (2013.01 - EP); **D03D 15/567** (2021.01 - EP US); **D03D 27/06** (2013.01 - US); **D04B 1/20** (2013.01 - US); **D04B 21/00** (2013.01 - EP); **D04B 21/16** (2013.01 - US); **D10B 2401/04** (2013.01 - US); **D10B 2403/0113** (2013.01 - EP); **D10B 2403/0231** (2013.01 - EP); **D10B 2509/00** (2013.01 - EP); **D10B 2509/06** (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

Designated validation state (EPC)

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DOCDB simple family (publication)

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