

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)  
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Designated extension state (EPC)  
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