

Title (en)

Thin clothing insulation with improved draping and comfort characteristics.

Title (de)

Isolation für leichte Kleidungsstücke mit verbesserten Fall- und Komforteigenschaften.

Title (fr)

Isolation pour vêtement léger avec drapement amélioré et caractéristiques de confort.

Publication

EP 0600844 A1 19940608 (EN)

Application

EP 93850064 A 19930331

Priority

US 98398192 A 19921130

Abstract (en)

The invention is directed to a synthetic fiber thermal insulator material in the form of a flexible, conformable, sheet-like structure, which structure comprises an assemblage of: (a) from about 50 to 100% by weight of slickened, spun and drawn, crimped staple polymeric microfibers having a diameter of from about 3 to 12 microns; (b) from about 0 to 30% by weight of unslickened, spun and drawn, crimped staple polymeric microfibers having a diameter of from about 3 to 12 microns; and (c) from about 0 to 30% by weight of synthetic polymeric macrofibers having a diameter of from about 12 to 50 microns, wherein at least some of the fibers are bonded or mechanically interconnected one to another, and wherein the resultant fiber assemblage has a thermomechanical parameter T greater than about $0.25 \text{ (m}^2 \cdot \text{K/W.m)}/(\text{mN.cm})$. <IMAGE>

IPC 1-7

D04H 1/54; **D04H 1/42**

IPC 8 full level

D04H 1/42 (2012.01); **D04H 1/54** (2012.01)

CPC (source: EP US)

D04H 1/42 (2013.01 - EP); **D04H 1/43828** (2020.05 - EP US); **D04H 1/43832** (2020.05 - EP US); **D04H 1/43835** (2020.05 - EP US); **D04H 1/43838** (2020.05 - EP US); **D04H 1/43918** (2020.05 - EP US); **D04H 1/54** (2013.01 - EP)

Citation (search report)

- [A] WO 8001031 A2 19800515 - DU PONT [US]
- [DA] US 4118531 A 19781003 - HAUSER EDWARD R

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Designated contracting state (EPC)

BE DE DK FR GB NL SE

DOCDB simple family (publication)

EP 0600844 A1 19940608; CA 2096093 A1 19940531; FI 930780 A0 19930222; FI 930780 A 19940531; JP H06207357 A 19940726; NO 932068 D0 19930607; NO 932068 L 19940531; ZA 931436 B 19930922

DOCDB simple family (application)

EP 93850064 A 19930331; CA 2096093 A 19930512; FI 930780 A 19930222; JP 32594493 A 19931130; NO 932068 A 19930607; ZA 931436 A 19930301