

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 microfibrils 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 microfibrils having a diameter of from about 3 to 12 microns; and (c) from about 0 to 30% by weight of synthetic polymeric macrofibrils having a diameter of from about 12 to 50 microns, wherein at least some of the fibrils are bonded or mechanically interconnected one to another, and wherein the resultant fiber assemblage has a thermomechanical parameter T greater than about 0.25 (m<sup>2</sup>.K/W.m)/(mN.cm). <IMAGE>

IPC 1-7

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

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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

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