

Title (en)

REDUCED DENSITY SYNTHETIC FIBER UTILIZING HOLLOW MICROCAPSULES

Title (de)

SYNTETISCHE FASER MIT REDUZIERTER DICHTE UNTER VERWENDUNG VON HOHLEN MIKROKAPSELN

Title (fr)

FIBRE SYNTHÉTIQUE À DENSITÉ RÉDUITE UTILISANT DES MICROCAPSULES CREUSES

Publication

EP 3710620 A1 20200923 (EN)

Application

EP 18822535 A 20181113

Priority

- US 201762586507 P 20171115
- US 2018060626 W 20181113

Abstract (en)

[origin: WO2019099350A1] The invention provides a synthetic fiber that includes: 0.4 to 30 wt % hollow microcapsules having an average diameter of 4 to 30 μm ; and 70 to 99.6 wt % polymer material, wherein the synthetic fiber has a denier of 0.1 to 11.0. Also provided are yarn, insulation material, and articles that include the synthetic fiber, and methods of making the same.

IPC 8 full level

D01D 5/247 (2006.01); **D01F 1/08** (2006.01); **D01F 1/10** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2019099350A1

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BA ME

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WO 2019099350 A1 20190523; CN 110832123 A 20200221; EP 3710620 A1 20200923; JP 2021503046 A 20210204;
KR 20200083950 A 20200709; RU 2019144045 A 20211215; TW 201925555 A 20190701; US 2020141029 A1 20200507

DOCDB simple family (application)

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