

Title (en)

DRY PROCESSED CELLULOSE FIBERS FOR PAPERMAKING

Title (de)

TROCKENVERARBEITETE CELLULOSEFASERN ZUR PAPIERHERSTELLUNG

Title (fr)

FIBRES DE CELLULOSE TRAITÉES À SEC POUR LA FABRICATION DE PAPIER

Publication

EP 3455406 A1 20190320 (EN)

Application

EP 17725138 A 20170515

Priority

- US 201662335935 P 20160513
- US 2017032648 W 20170515

Abstract (en)

[origin: WO2017197384A1] Dry processing of cellulose fibers in an attritor mill produces small cellulose particles with properties useful for increasing the bulk of paperboard products. In contrast with the usual behaviour of small particles, the dry attritor-processed particles exhibit a further benefit of good drainage on a paper machine. Comparisons are made for the modulus, smoothness, and density of paperboard made with and without the dry-attrited cellulose particles.

IPC 8 full level

D21H 27/30 (2006.01); **C08L 1/02** (2006.01); **D21H 11/16** (2006.01); **D21H 17/25** (2006.01); **D21H 21/22** (2006.01); **D21H 21/52** (2006.01)

CPC (source: EP US)

C08L 1/02 (2013.01 - EP US); **D21H 11/16** (2013.01 - EP US); **D21H 17/25** (2013.01 - EP US); **D21H 19/00** (2013.01 - US); **D21H 21/22** (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US); **D21H 27/30** (2013.01 - EP US); **D21H 27/38** (2013.01 - US); **C08L 2205/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2017197384A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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WO 2017197384 A1 20171116; BR 112018070779 A2 20190212; CN 109196165 A 20190111; EP 3455406 A1 20190320; US 2019119854 A1 20190425

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