

Title (en)

METHOD AND DEVICE FOR PRODUCING FIBROUS MATERIALS FROM THERMOPLASTIC MATERIALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON FASERSTOFFEN AUS THERMOPLASTISCHEN KUNSTSTOFFEN

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION DE MATIERES FIBREUSES A PARTIR DE THERMOPLASTIQUES

Publication

EP 1045929 B1 20011114 (DE)

Application

EP 99904698 A 19990107

Priority

- DE 9900016 W 19990107
- DE 19800297 A 19980107

Abstract (en)

[origin: US6524514B1] The invention relates to a method for producing fibrous materials from thermoplastic material, wherein thermoplastic material is molten and fed into a rotating reactor to form a molten film and the fibers are formed on and stretched out along an open edge of the reactor. The fibers are formed on the reactor edge without using nozzles or ducts that are susceptible to clogging so that the rotating reactor is heated in such a way that the molten film has a temperature close to decomposition temperature of the thermic plastic material and the reactor is rotated on the edge at an orbital speed of no less than 10 m/s.

IPC 1-7

D01D 5/08; **D01D 5/18**

IPC 8 full level

D01D 5/08 (2006.01); **D01D 5/18** (2006.01)

CPC (source: EP US)

D01D 5/18 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6524514 B1 20030225; AT E208840 T1 20011115; AU 2511299 A 19990726; CZ 20002462 A3 20020213; DE 19800297 C1 19990701; DE 29802123 U1 19980507; DE 59900428 D1 20011220; DK 1045929 T3 20020311; EP 1045929 A1 20001025; EP 1045929 B1 20011114; ES 2166216 T3 20020401; HU P0100814 A2 20010628; PL 190708 B1 20051230; PL 341812 A1 20010507; PT 1045929 E 20020531; SK 10252000 A3 20010212; WO 9935313 A1 19990715

DOCDB simple family (application)

US 58278800 A 20000705; AT 99904698 T 19990107; AU 2511299 A 19990107; CZ 20002462 A 19990107; DE 19800297 A 19980107; DE 29802123 U 19980207; DE 59900428 T 19990107; DE 9900016 W 19990107; DK 99904698 T 19990107; EP 99904698 A 19990107; ES 99904698 T 19990107; HU P0100814 A 19990107; PL 34181299 A 19990107; PT 99904698 T 19990107; SK 10252000 A 19990107