

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF STAPLE FIBERS FROM MELT-SPUN HOLLOW FIBERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON STAPELFASERN AUS SCHMELZGESPONNENEN HOHLFASERN

Title (fr)

PROCEDE ET DISPOSITIF POUR REALISER DES FIBRES DISCONTINUES A PARTIR DE FIBRES CREUSES FILEES A CHAUD

Publication

**EP 1937877 A2 20080702 (DE)**

Application

**EP 06806249 A 20061013**

Priority

- EP 2006009896 W 20061013
- DE 102005049116 A 20051014

Abstract (en)

[origin: WO2007042311A2] Disclosed are a method and a device for producing staple fibers from melt-spun hollow fibers. In order to be able to produce said staple fibers with as little complexity as possible regarding the equipment, the hollow fibers are guided in a continuous fiber flow from the melt-spinning process to the cutting process, the hollow fibers being extruded through a ring segment-shaped nozzle port that has an outer diameter ranging from 0.2 to 0.8 mm and a maximum hollow proportion of 60 percent, preferably 40 percent, during melt-spinning of a polymer melt.

IPC 8 full level

**D01D 5/24** (2006.01); **D01D 4/02** (2006.01); **D01D 5/26** (2006.01)

CPC (source: EP)

**D01D 4/02** (2013.01); **D01D 5/24** (2013.01); **D01D 5/26** (2013.01)

Citation (search report)

See references of WO 2007042311A2

Designated contracting state (EPC)

BE DE IT

DOCDB simple family (publication)

**WO 2007042311 A2 20070419**; **WO 2007042311 A3 20070621**; CN 101287863 A 20081015; EP 1937877 A2 20080702

DOCDB simple family (application)

**EP 2006009896 W 20061013**; CN 200680038162 A 20061013; EP 06806249 A 20061013