

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

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Application

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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.

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