

Title (en)

METHOD AND DEVICE FOR MANUFACTURING EXTREMELY SHORT FIBER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ÄUSSERST KURZEN FASERN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE FABRIQUER DES FIBRES EXTREMEMENT COURTES

Publication

EP 1652974 A4 20080827 (EN)

Application

EP 04748260 A 20040730

Priority

- JP 2004011289 W 20040730
- JP 2003285617 A 20030804
- JP 2003336937 A 20030929

Abstract (en)

[origin: EP1652974A1] It is an object to provide a process and an apparatus which allow stable production of ultrashort-cut fibers having fiber lengths of no greater than 0.1 mm while minimizing miscutting, the object being achieved by a process and apparatus whereby numerous individual filament groups are bound to form a fiber bundle, an embedding material which is solidified by cooling and gasified or liquefied by heating is gasified or liquefied, the fiber bundle is embedded with the gasified or liquefied embedding material, and the edge of the embedded fiber bundle is thinly shaved at a temperature at which the embedding material does not gasify or liquefy, to obtain ultrashort-cut fibers

IPC 8 full level

D01G 1/02 (2006.01); **D01G 1/00** (2006.01)

CPC (source: EP KR US)

D01G 1/00 (2013.01 - KR); **D01G 1/027** (2013.01 - EP US)

Citation (search report)

- [XA] US 4003773 A 19770118 - GRABLE MICHAEL ANTHONY
- [A] US 3921874 A 19751125 - SPAIN RAYMOND G
- See references of WO 2005012607A1

Cited by

CN106702539A; FR2919283A1; FR2919284A1; WO2011012565A1; US8920935B2; US9127337B2; WO2009034263A3; WO2009034264A3

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