

Title (en)

Process and apparatus for the preparation of fibrets from cellulose derivatives

Title (de)

Verfahren und Vorrichtung zur Herstellung von Fibrets aus Zellulosederivaten

Title (fr)

Procédé et dispositif pour la préparation d'une structure fibrillaire à base de dérivés de cellulose

Publication

EP 0807698 B1 20021106 (DE)

Application

EP 97106492 A 19970418

Priority

DE 19616010 A 19960423

Abstract (en)

[origin: EP0807698A2] A process for the preparation of microfibrils - comprises adding a dope containing a cellulose derivative (eg. cellulose ether or ester) and solvent for this derivative to a precipitating agent and then subjecting the suspension to shear conditions in order to precipitate the dope and form the microfibrils, after which the solvent and precipitating are both separated from the microfibrils. The suspension formed from the dope and precipitating agent is alternately accelerated and braked at least once as it passes through the shear field. Also claimed is the equipment used in this process.

IPC 1-7

D01D 5/40; D01F 2/28; D01D 5/18

IPC 8 full level

D01D 5/18 (2006.01); **D01D 5/40** (2006.01); **D01F 2/24** (2006.01); **D01F 2/28** (2006.01)

CPC (source: EP US)

D01D 5/18 (2013.01 - EP US); **D01D 5/40** (2013.01 - EP US); **D01F 2/24** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES FR GB LI

DOCDB simple family (publication)

DE 19616010 A1 19971106; **DE 19616010 C2 19980709**; AU 1907897 A 19971030; AU 757068 B2 20030130; DE 59708645 D1 20021212; EP 0807698 A2 19971119; EP 0807698 A3 19980408; EP 0807698 B1 20021106; US 5868973 A 19990209

DOCDB simple family (application)

DE 19616010 A 19960423; AU 1907897 A 19970422; DE 59708645 T 19970418; EP 97106492 A 19970418; US 83170397 A 19970410