

Title (en)

METHOD AND DEVICE FOR DETECTING FOREIGN MATTER IN A FIBRE COMPOSITE MOVING IN THE LONGITUDINAL DIRECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERKENNEN VON FREMDSTOFFEN IN EINEM LÄNGSBEWEGTEN FASERVERBUND

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE CORPS ETRANGERS DANS UN MATERIAU RENFORCE PAR DES FIBRES ET A DEPLACEMENT LONGITUDINAL

Publication

EP 1188043 A1 20020320 (DE)

Application

EP 00925016 A 20000522

Priority

- CH 0000285 W 20000522
- CH 100799 A 19990529

Abstract (en)

[origin: WO0073771A1] The invention relates to a method and a device for detecting foreign matter in a fibre composite moving in the longitudinal direction and consisting substantially of wool or cotton fibres. To provide an improved, easier and rapid method of detecting polypropylene in fibres intended for textile products the fibre composite is irradiated with infrared light (2, 3) in a defined wavelength range, the reflected light filtered (13) and the filtered fraction of the light measured (11). Values which significantly deviate from a base value indicate the presence of foreign matter.

IPC 1-7

G01N 21/89; **G01N 33/36**

IPC 8 full level

G01N 21/892 (2006.01); **D06H 3/08** (2006.01); **G01N 21/89** (2006.01); **G01N 33/36** (2006.01)

CPC (source: EP US)

G01N 21/8915 (2013.01 - EP US); **G01N 33/365** (2013.01 - EP US)

Citation (search report)

See references of WO 0073771A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0073771 A1 20001207; CN 100387974 C 20080514; CN 1353811 A 20020612; EP 1188043 A1 20020320; JP 2003501623 A 20030114; US 6771365 B1 20040803

DOCDB simple family (application)

CH 0000285 W 20000522; CN 00808205 A 20000522; EP 00925016 A 20000522; JP 2001500845 A 20000522; US 97998601 A 20011231