

Title (en)

METHOD FOR THE MODIFICATION OF POLYACRYLONITRILE FIBRES CONTAINING VINYL ACETATE AS A COMONOMER AND POLYAMIDE FIBRES, USING A CUTINASE ENZYME

Title (de)

VERFAHREN ZUR MODIFIZIERUNG VON VINYLACETATL- ENTHALTENDEN POLYACRYLNITRILFASERN UND VON POLYAMIDFASERN UNTER ANWENDUNG EINES CUTINASEENZYMS

Title (fr)

PROCEDE DE MODIFICATION DE FIBRES POLYACRYLONITRILES CONTENANT VINYLACETATE EN TANT QUE COMONOMERE ET DE FIBRES POLYAMIDES AU MOYEN D'UNE ENZYME CUTINASE

Publication

**EP 1694903 A1 20060830 (EN)**

Application

**EP 04775191 A 20041028**

Priority

- PT 2004000025 W 20041028
- PT 10303503 A 20031029

Abstract (en)

[origin: WO2005040487A1] This invention relates a new enzymatic process for the modification of the surface of synthetic fibres using a cutinase enzyme (3.1.1.74). The enzymatic action causes the hydrolysis of the polyacrylonitrile fibres containing vinyl acetate as a comonomer and polyamide fibres, improving their hydrophilic characteristics and dyeing properties.

IPC 8 full level

**D06M 16/00** (2006.01)

CPC (source: EP US)

**D06M 16/003** (2013.01 - EP US)

Citation (search report)

See references of WO 2005040487A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005040487 A1 20050506**; CA 2543818 A1 20050506; EP 1694903 A1 20060830; PT 103035 A 20050429; US 2007275453 A1 20071129

DOCDB simple family (application)

**PT 2004000025 W 20041028**; CA 2543818 A 20041028; EP 04775191 A 20041028; PT 10303503 A 20031029; US 57701204 A 20041028