

Title (en)

Method of dyeing polyamide fibres

Title (de)

Verfahren zum Färben von Polyamidfasern

Title (fr)

Procédé pour la teinture de fibres de polyamide

Publication

**EP 1777337 A1 20070425 (DE)**

Application

**EP 05021866 A 20051007**

Priority

EP 05021866 A 20051007

Abstract (en)

Process for dyeing fiber materials composed of natural or synthetic polyamides involves use of alkoxyated and quaternized unsaturated fatty acid amine as leveling agent. Process for dyeing fiber materials composed of natural or synthetic polyamides involves use of alkoxyated and quaternized unsaturated fatty acid amine of formula  $H-[OCH_2CH_2]_n-N^+ \rightarrow (R)(CH_2CH_2OH)-[CH_2CH_2O]_mH-X \rightarrow (I)$  as active substance of a levelling agent. R : singly or doubly unsaturated 12-24C alkenyl; X : anion; and  $n+m : 14 - 29$ .

IPC 8 full level

**D06P 1/607** (2006.01); **D06P 3/04** (2006.01)

CPC (source: EP KR US)

**D06P 1/6076** (2013.01 - EP US); **D06P 3/04** (2013.01 - EP KR US)

Citation (search report)

- [A] DE 1469657 A1 19691009 - CIBA GEIGY
- [A] US 3816529 A 19740611 - LOFFELMAN F
- [A] US 3104931 A 19630924 - RICHARD CASTY, et al
- [A] CH 373012 A 19630731 - GEIGY AG J R [CH]

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1777337 A1 20070425**; BR PI0616957 A2 20110705; CN 101283142 A 20081008; EP 1943383 A1 20080716; JP 2009511757 A 20090319; KR 20080058361 A 20080625; US 2009255064 A1 20091015; WO 2007042379 A1 20070419

DOCDB simple family (application)

**EP 05021866 A 20051007**; BR PI0616957 A 20060920; CN 200680037159 A 20060920; EP 06793678 A 20060920; EP 2006066549 W 20060920; JP 2008533966 A 20060920; KR 20087008349 A 20080407; US 8317706 A 20060920