

Title (en)
COMPOSITION FOR THE PERMANENT HYDROPHILIC FINISHING OF TEXTILE FIBRES AND TEXTILE PRODUCTS

Title (de)
ZUSAMMENSETZUNG ZUR PERMANENT-HYDROPHILEN AUSRÜSTUNG VON TEXTILFASERN UND TEXTILERZEUGNISSEN

Title (fr)
COMPOSITION D'APPRÊT DESTINÉE À CONFÉRER DES PROPRIÉTÉS HYDROPHILES PERMANENTES À DES FIBRES TEXTILES ET DES PRODUITS TEXTILES

Publication
EP 3237675 A1 20171101 (DE)

Application
EP 15816775 A 20151221

Priority
• DE 102014119332 A 20141222
• EP 2015080797 W 20151221

Abstract (en)
[origin: WO2016102470A1] The invention relates to a composition for use for the permanent hydrophilic finishing of textile fibres and thus produced textile products, said composition comprising a hydrophilically modified or amphoteric polydimethylsiloxane in a proportion of 3 - 30 wt.%; a quaternary ammonium compound in a proportion of 25 - 85 wt.%, said quaternary ammonium compound has a melting point of at least 55 °C; a fatty alcohol having a melting point of at least 60 °C in a proportion of 0 - 25 wt.%; a non-ionic consistency regulator in a proportion of 0 - 40 wt.%, and at least one dispersing agent in a proportion of 0 - 10 wt.%. Said composition is preferably in the form of granulates and has a melting point of at least 45 °C.

IPC 8 full level
D06M 13/148 (2006.01); **D01F 1/10** (2006.01); **D04H 1/00** (2006.01); **D06M 13/402** (2006.01); **D06M 13/46** (2006.01); **D06M 15/333** (2006.01); **D06M 15/643** (2006.01)

CPC (source: CN EP US)
D04H 1/4291 (2013.01 - CN EP US); **D04H 3/007** (2013.01 - CN EP US); **D06M 11/72** (2013.01 - US); **D06M 13/144** (2013.01 - US); **D06M 13/148** (2013.01 - CN EP US); **D06M 13/165** (2013.01 - US); **D06M 13/224** (2013.01 - US); **D06M 13/2243** (2013.01 - US); **D06M 13/292** (2013.01 - US); **D06M 13/402** (2013.01 - CN EP US); **D06M 13/46** (2013.01 - CN EP US); **D06M 13/463** (2013.01 - US); **D06M 15/333** (2013.01 - CN EP US); **D06M 15/643** (2013.01 - CN EP US); **D06M 15/6436** (2013.01 - CN EP US); **D06M 2101/18** (2013.01 - US); **D06M 2101/20** (2013.01 - US); **D06M 2101/32** (2013.01 - US)

Citation (search report)
See references of WO 2016102470A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014119332 A1 20160623; CN 107109774 A 20170829; CN 107109774 B 20200519; DK 3237675 T3 20190211; EP 3237675 A1 20171101; EP 3237675 B1 20181031; ES 2707335 T3 20190403; JP 2018503007 A 20180201; US 10233589 B2 20190319; US 2017362770 A1 20171221; US 2018179700 A1 20180628; WO 2016102470 A1 20160630

DOCDB simple family (application)
DE 102014119332 A 20141222; CN 201580070429 A 20151221; DK 15816775 T 20151221; EP 15816775 A 20151221; EP 2015080797 W 20151221; ES 15816775 T 20151221; JP 2017551019 A 20151221; US 201515527445 A 20151221; US 201515538047 A 20151221