

Title (en)

POLYMERS WITH MODIFIED SURFACE PROPERTIES AND METHOD OF MAKING THE SAME

Title (de)

POLYMERE MIT MODIFIZIERTEN OBERFLÄCHENEIGENSCHAFTEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

POLYMÈRES AYANT DES PROPRIÉTÉS DE SURFACE MODIFIÉES ET PROCÉDÉS DE FABRICATION DE CEUX-CI

Publication

EP 3145996 A4 20180110 (EN)

Application

EP 15795331 A 20150521

Priority

- US 201462001853 P 20140522
- US 2015031935 W 20150521

Abstract (en)

[origin: WO2015179616A1] Thermoplastic fibers with an additive that yields modified and/or reactive groups on the surface of the fiber are provided. Also provided are methods for production and articles of manufacture containing these thermoplastic fibers. In addition, methods and products with enhanced soil resistance are provided.

IPC 8 full level

C08G 69/14 (2006.01); **C08J 5/00** (2006.01); **C08K 5/053** (2006.01); **C08L 77/02** (2006.01); **D01F 1/10** (2006.01); **D01F 6/60** (2006.01)

CPC (source: EP)

D01F 1/10 (2013.01); **C08L 77/06** (2013.01); **D01F 6/60** (2013.01)

Citation (search report)

- [X] CN 103757731 A 20140430 - CHAOHU ASIANEPS FISHING NET MFG CO LTD
- [X] DE 4309436 A1 19940929 - SANDOZ AG [DE]
- [X] US 6635346 B2 20031021 - STUDHOLME MATTHEW BENJAMIN [US]
- [X] US 3236685 A 19660222 - CALDWELL JOHN R, et al
- See references of WO 2015179616A1

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

DOCDB simple family (publication)

WO 2015179616 A1 20151126; AU 2015264103 A1 20161208; AU 2015264103 B2 20190207; CA 2949532 A1 20151126; CN 107001792 A 20170801; EP 3145996 A1 20170329; EP 3145996 A4 20180110; JP 2017518445 A 20170706; JP 6839983 B2 20210310

DOCDB simple family (application)

US 2015031935 W 20150521; AU 2015264103 A 20150521; CA 2949532 A 20150521; CN 201580039911 A 20150521; EP 15795331 A 20150521; JP 2016568927 A 20150521