

Title (en)

ARTIFICIAL TURF WITH IMPROVED TUFT-LOCK

Title (de)

KUNSTRASEN MIT VERBESSERTER BÜSCHELHALTUNG

Title (fr)

GAZON ARTIFICIEL PRÉSENTANT UN MEILLEUR ANCRAGE

Publication

EP 3263749 A1 20180103 (EN)

Application

EP 16382313 A 20160630

Priority

EP 16382313 A 20160630

Abstract (en)

Embodiments of the present disclosure are directed to artificial turf filaments comprising a non-functionalized polyolefin and at least one functionalized polymer. The functionalized polymer is a propylene-based polymer having one or more functional groups grafted on the propylene-based polymer. The one or more functional groups is selected from the group consisting of amine groups and imide groups. The at least one functionalized polymer has a DSC melting point from 100 °C to 130 °C. When the stretched filament is stretched to a stretch ratio of 5, the stretched filament has a tenacity greater than 0.90 cN/dtex.

IPC 8 full level

D01F 6/46 (2006.01); **E01C 13/08** (2006.01)

CPC (source: EP KR US)

D01F 6/46 (2013.01 - EP KR); **D06N 7/0065** (2013.01 - US); **E01C 13/08** (2013.01 - KR US); **D01F 6/46** (2013.01 - US); **D06M 11/09** (2013.01 - US); **D06M 2101/20** (2013.01 - US); **D06M 2101/32** (2013.01 - US); **D06M 2101/34** (2013.01 - US); **D06N 2201/0254** (2013.01 - US); **D10B 2321/02** (2013.01 - KR); **D10B 2505/202** (2013.01 - KR US); **E01C 13/08** (2013.01 - EP); **E01C 2201/10** (2013.01 - KR); **E01C 2201/20** (2013.01 - KR); **Y10T 428/23993** (2015.04 - US)

Citation (search report)

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- [A] JP 2006070438 A 20060316 - HAGIHARA IND
- [A] TODA AKIHIKO: "Heating rate dependence of melting peak temperature examined by DSC of heat flux type", JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, KLUWER, DORDRECHT, NL, vol. 123, no. 3, 28 March 2015 (2015-03-28), pages 1795 - 1808, XP035921656, ISSN: 1388-6150, [retrieved on 20150328], DOI: 10.1007/S10973-015-4603-3

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)

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