

Title (en)

ARTIFICIAL TURF COMPRISING AN AGGLOMERATE INFILL

Title (de)

KUNSTRASEN MIT AGGLOMERATFÜLLUNG

Title (fr)

GAZON ARTIFICIEL COMPRENANT UN AGGLOMÉRAT D'UN ÉLÉMENT DE REMPLISSAGE

Publication

**EP 3272939 A1 20180124 (EN)**

Application

**EP 16180026 A 20160718**

Priority

EP 16180026 A 20160718

Abstract (en)

The invention provides for an artificial turf surface (100, 200) comprising an artificial turf carpet (102) with a pile (104), wherein the artificial turf carpet comprises a backing (106). The artificial turf carpet further comprises artificial grass fibers (108). The artificial grass fibers are tufted (110) into the backing. The artificial grass fibers form the pile. The artificial grass fibers are secured to the backing. The artificial turf surface further comprises an artificial turf infill (114) distributed within the pile, wherein the artificial turf infill comprises irregularly shaped grains (116), wherein the grains comprise an agglomerate comprising at least one type of non-elastomeric thermoplastic. At least a portion of the grains have fibrous extensions (302).

IPC 8 full level

**E01C 13/08** (2006.01)

CPC (source: EP KR US)

**D05C 17/026** (2013.01 - US); **E01C 13/08** (2013.01 - EP KR US); **D10B 2505/202** (2013.01 - US); **Y10T 428/23921** (2015.04 - US); **Y10T 428/2998** (2015.01 - US)

Citation (applicant)

US 2010151158 A1 20100617 - MASHBURN LARRY [US], et al

Citation (search report)

- [XDAI] US 2010151158 A1 20100617 - MASHBURN LARRY [US], et al
- [A] DE 9405554 U1 19940601 - SCHOEPP RALPH [DE]

Cited by

EP4219832A1; EP4127307A4; EP3604675A1; WO2023144620A1; EP3868955B1

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)

**EP 3272939 A1 20180124**; **EP 3272939 B1 20190109**; AU 2017300611 A1 20190117; AU 2017300611 B2 20200123; CA 3027309 A1 20180125; CN 109477316 A 20190315; DK 3272939 T3 20190225; EP 3485092 A1 20190522; ES 2708132 T3 20190408; JP 2019522131 A 20190808; KR 20190027818 A 20190315; MA 45663 A 20190522; NZ 749224 A 20200731; US 2019153679 A1 20190523; WO 2018015396 A1 20180125

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**EP 16180026 A 20160718**; AU 2017300611 A 20170718; CA 3027309 A 20170718; CN 201780042042 A 20170718; DK 16180026 T 20160718; EP 17742726 A 20170718; EP 2017068145 W 20170718; ES 16180026 T 20160718; JP 2019500465 A 20170718; KR 20197000897 A 20170718; MA 45663 A 20170718; NZ 74922417 A 20170718; US 201716316743 A 20170718