

Title (en)

ARTIFICIAL TURF WITH NON-GRANULAR DAMPING MATERIAL AND METHOD FOR MANUFACTURING SAME

Title (de)

KUNSTRASEN MIT NICHTKÖRNIGEM DÄMPFUNGSMATERIAL UND VERFAHREN ZUR HERSTELLUNG DESSEN

Title (fr)

GAZON ARTIFICIEL COMPORTANT UN MATÉRIAU D'AMORTISSEMENT NON GRANULAIRE ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 3180477 A1 20170621 (EN)**

Application

**EP 15832527 A 20150813**

Priority

- FI 20145715 A 20140813
- FI 2015050523 W 20150813

Abstract (en)

[origin: WO2016024044A1] The invention relates to an artificial turf comprising a backing of open net structure, a plurality of artificial grass fibers and a plurality of artificial base fibers, wherein said grass and base fibers are attached to the backing and extend upwardly from the backing when in use. In the artificial turf according to the present invention the base and grass fibers are reinforced by non-granular infill material comprising elastomer applied as a coating on each fiber and covering part of the length of the grass fibers and at least part of the length of the base fibers, wherein the reinforced parts of the base and grass fibers form a resilient and water-permeable layer which is attached to the backing and over which the grass fibers extend. The layer is able to maintain the grass fibers in an approximately vertical orientation in use without requiring the provision of a granular infill. The invention further relates to a method for manufacturing an artificial turf.

IPC 8 full level

**E01C 13/08** (2006.01); **A63C 19/04** (2006.01); **D05C 17/02** (2006.01); **E01C 5/18** (2006.01)

CPC (source: EP FI)

**A63C 19/04** (2013.01 - FI); **E01C 13/08** (2013.01 - EP FI)

Cited by

US2023104643A1; CN111041939A; EP4321685A1; BE1030760B1

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)

**WO 2016024044 A1 20160218**; DK 3180477 T3 20190805; EP 3180477 A1 20170621; EP 3180477 A4 20180307; EP 3180477 B1 20190501; FI 127037 B 20171013

DOCDB simple family (application)

**FI 2015050523 W 20150813**; DK 15832527 T 20150813; EP 15832527 A 20150813; FI 20145715 A 20140813