

Title (en)
ARTIFICIAL TURF MAT AND METHOD FOR MANUFACTURE THEREOF

Title (de)
KUNSTRASENMATTE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
TAPIS DE GAZON ARTIFICIEL ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3710637 A1 20200923 (EN)

Application
EP 18839747 A 20181113

Priority
• NL 2019893 A 20171113
• NL 2018050760 W 20181113

Abstract (en)
[origin: WO2019093900A1] The invention relates to an artificial turf mat comprising a woven backing and a number of artificial grass blades connected thereto. The woven backing comprises a leno weave of warp and weft threads wherein at least some of the warp threads and/or some of the weft threads are formed by melting threads. The artificial grass blades are woven into the woven backing. Each melting thread can comprise a temperature-resistant thread core and a meltable coating surrounding the thread core. The invention further relates to a method for manufacturing an artificial turf mat by weaving a backing and connecting a number of artificial grass blades thereto, wherein the backing is woven by interweaving a number of warp and weft threads by means of leno weaving, wherein at least some of the interwoven threads are formed by melting threads and wherein artificial grass blades are woven into the woven backing.

IPC 8 full level
E01C 13/08 (2006.01); **D03D 15/567** (2021.01); **D03D 19/00** (2006.01); **D03D 27/02** (2006.01)

CPC (source: EP US)
D03D 1/00 (2013.01 - EP US); **D03D 15/567** (2021.01 - EP US); **D03D 15/587** (2021.01 - EP); **D03D 19/00** (2013.01 - EP US); **E01C 13/08** (2013.01 - EP US); **D10B 2321/022** (2013.01 - EP US); **D10B 2401/12** (2013.01 - EP US); **D10B 2505/202** (2013.01 - EP US); **E01C 2013/086** (2013.01 - EP US)

Citation (search report)
See references of WO 2019093900A1

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 2019093900 A1 20190516; **WO 2019093900 A9 20191128**; CA 3082562 A1 20190516; CN 111819330 A 20201023; CN 111819330 B 20230808; EP 3710637 A1 20200923; JP 2021502510 A 20210128; JP 7374914 B2 20231107; NL 2019893 B1 20190517; US 2020283965 A1 20200910

DOCDB simple family (application)
NL 2018050760 W 20181113; CA 3082562 A 20181113; CN 201880080566 A 20181113; EP 18839747 A 20181113; JP 2020545211 A 20181113; NL 2019893 A 20171113; US 201816763627 A 20181113