Title (en)

Synthetic turf

Title (de)

Kunstrasen

Title (fr)

Gazon artificiel

Publication

**EP 2161374 A1 20100310 (DE)**

Application

**EP 08015877 A 20080909**

Priority

EP 08015877 A 20080909

Abstract (en)

The method involves fabricating multiple straws (1) as multi-component fibers with core-shell-configuration. The synthetic turf includes a base layer (2), multiple straws and a muffling material (3). The straws are made of polyester of terephthalic acid, particularly polyethylene terephthalate or polybutylene terephthalate, where the polyester is derived from garbage materials. The muffling material is made of synthetic fibers twisted by yarns, where the yarns are selected from the group, polyethylene or polypropylene.

Abstract (de)

Kunstrasen, insbesondere für Sportplätze, Gartengestaltung, Golfplätze und dergleichen mit einer Basisschicht, einer Vielzahl von Halmen und einem Dämpfungsmaterial, wobei die Halme an der Basisschicht fixiert sind. Das Dämpfungsmaterial ist zwischen den Halmen angeordnet. Die Halme bestehen größtenteils aus zumindest einem Polyester der Terephthalsäure aus Abfallmaterialien, insbesondere Polyethylenterephthalat (PET) aus Abfallmaterialien und/oder Polybutylenterephthalat (PBT) aus Abfallmaterialien.

IPC 8 full level

**E01C 13/08** (2006.01)

CPC (source: EP US)

**D01F 1/10** (2013.01 - EP); **D01F 8/14** (2013.01 - EP); **E01C 13/08** (2013.01 - EP US); Y10T 428/23979 (2015.04 - EP US); Y10T 428/2913 (2015.01 - EP US); Y10T 428/2969 (2015.01 - EP US)

Citation (applicant)

- JP 2003268648 A 20030925 - HAGIHARA IND
- WO 2005005731 A2 20050120 - SAUDI COMPANY FOR MFG SYNTHETI [SA], et al

Citation (search report)

- [Y] JP 2003268648 A 20030925 - HAGIHARA IND
- [Y] WO 2005005731 A2 20050120 - SAUDI COMPANY FOR MFG SYNTHETI [SA], et al
- [Y] DE 3525441 A1 19870129 - ADOLFF J F AG [DE]
- [Y] WO 0121372 A1 20010329 - BACHER HELMUT [AT], et al

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EP2395135A1; EP2520696A1; WO2017158025A3; EP3604675A1; EP3604638A1; EP3604637A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2161374 A1 20100310**; **EP 2161374 B1 20130102**; CA 2677511 A1 20100309; CA 2677511 C 20151110; CN 101684634 A 20100331; RU 2009133729 A 20110320; RU 2516308 C2 20140520; US 2010062192 A1 20100311; US 2012305166 A1 20121206; US 8283003 B2 20121009; US 8936748 B2 20150120

DOCDB simple family (application)

**EP 08015877 A 20080909**; CA 2677511 A 20090902; CN 200910205760 A 20090909; RU 2009133729 A 20090908; US 201213587318 A 20120816; US 55600209 A 20090909