

Title (en)
ARTIFICIAL TURF WITH ANTI-SLIP AGENT RESERVOIR

Title (de)
KUNSTRASEN MIT ANTIRUTSCHMITTEL-RESERVOIR

Title (fr)
GAZON ARTIFICIEL POURVU DE RÉSERVOIR D'AGENT ANTIDÉRAPANT

Publication
EP 4286573 A1 20231206 (EN)

Application
EP 22177277 A 20220603

Priority
EP 22177277 A 20220603

Abstract (en)
An artificial turf fiber comprising a polymer material and an anti-slip agent disposed within the polymer, characterized in that the anti-slip agent has an effective rate of migration in the polymer material and is provided in the polymer material in an effective amount to provide effective reduction of the fiber friction coefficient on the surface of the fiber for at least one year, preferably for at least 2 years, more preferably for at least 5 years, and most preferably for at least 10 years.

IPC 8 full level
D01F 1/10 (2006.01); **D01F 6/04** (2006.01); **D01F 6/46** (2006.01); **E01C 13/08** (2006.01)

CPC (source: EP US)
D01F 1/10 (2013.01 - EP US); **D01F 6/04** (2013.01 - EP); **D01F 6/46** (2013.01 - EP); **D06N 7/0065** (2013.01 - US); **E01C 11/24** (2013.01 - US); **E01C 13/08** (2013.01 - EP US); **D06N 2209/106** (2013.01 - US); **Y10T 428/23993** (2015.04 - US)

Citation (applicant)
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• EP 3936665 A1 20220112 - MELOS GMBH [DE]
• US 2022025587 A1 20220127 - ALVAREZ EDUARDO [ES], et al
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Citation (search report)
• [X] GB 2601243 A 20220525 - DON & LOW LTD [GB]
• [X] CN 111395102 A 20200710 - ALL VICTORY GRASS GUANGZHOU CO LTD
• [X] CN 102493011 A 20120613 - TAISHAN SPORTS INDUSTRY GROUP, et al
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• [I] CN 111364113 A 20200703 - ALL VICTORY GRASS GUANGZHOU CO LTD
• [A] CHEN J ET AL: "Fundamental study of erucamide used as a slip agent", JOURNAL OF VACUUM SCIENCE, AMERICAN INSTITUTE OF PHYSICS, 2 HUNTINGTON QUADRANGLE, MELVILLE, NY 11747, vol. 25, no. 4, 2 July 2007 (2007-07-02), pages 886 - 892, XP012102726, ISSN: 0734-2101, DOI: 10.1116/1.2749523

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
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