

Title (en)
PERFORMANCE INFILL FOR GRASS FIELDS, PROCESS FOR THE PRODUCTION THEREOF, AND GRASS FIELDS COMPRISING SAID PERFORMANCE INFILL

Title (de)
LEISTUNGSFÜLLUNG FÜR GRASFELDER, VERFAHREN ZUR HERSTELLUNG DAVON UND GRASFELDER MIT BESAGTER LEISTUNGSFÜLLUNG

Title (fr)
REMPLISSAGE DE PERFORMANCE POUR GAZON, SON PROCÉDÉ DE PRODUCTION ET TERRAINS DE GAZON COMPRENANT LEDIT REMPLISSAGE DE PERFORMANCE

Publication
EP 4350076 A1 20240410 (EN)

Application
EP 23185336 A 20230713

Priority
IT 202200020259 A 20221003

Abstract (en)
Performance infill for artificial turf, wherein said performance infill comprises:- mineral filler selected from the group consisting of: talc, calcium carbonate, silica, barite, preferably calcium carbonate, wherein said filler is comprised in the range from 5-50% by weight, preferably 20-50% by weight;- plant component selected from the group consisting of: cellulose and derivatives, lignin, hemicellulose, sisal, cotton and mixtures thereof, wherein said plant component is comprised in the range from 0-50% by weight, preferably 20-50% by weight, and said plant component is in extruded and/or loose form;- renewable raw material, preferably polylactic acid (PLA), wherein said renewable raw material is comprised in the range from 0-50% by weight, preferably 0.5-50% by weight;- coloured pigment comprised in the range from 0-1% by weight; wherein the sum of said the components is equal to 100% by weight; and wherein said performance infill always comprises at least plant component and renewable raw material and/or mixtures thereof.

IPC 8 full level
E01C 13/08 (2006.01)

CPC (source: EP US)
D06N 7/0086 (2013.01 - US); **E01C 13/08** (2013.01 - EP); **E01C 13/083** (2013.01 - US); **D10B 2505/202** (2013.01 - US)

Citation (search report)
• [XYI] EP 3332067 B1 20210630 - BEWISYNBRA RAW B V [NL], et al
• [Y] US 2021285166 A1 20210916 - SAWYER DANIEL C [US], et al
• [X] EP 4047131 A1 20220824 - IMPROVE TEC HOENOE AB [SE]
• [X] WO 2008115085 A1 20080925 - AMADO DAVID KIM [PH]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

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