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(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
20158127.9 / 3 868 955

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(54) **ARTIFICIAL TURF HAVING OLIVE PIT PARTICLES**

(57) The present invention relates to using olive pit particles as a portion of the infill for an artificial turf field. The olive pit particles are produced by crushing raw olive pits. The particles or pits are not treated with antimicrobial additives. Infills and artificial turf fields comprising such

particles, or such particles in combination with the weight distributions and other materials disclosed in this application, exhibit superior properties compared to other infills and artificial turf fields comprising other organic materials and synthetic materials.

Infill Systems

Name	Cork-based Infill	First Olive Stone-based Infill	Material
Stabilizing Infill	22 kg/m ²	22 kg/m ²	Sand
Performance Infill	6 kg/m ²	13 kg/m ²	Cork / Olive stones

Name	Composite 1		Composite 2		Second Olive Stone-based Infill	Material
Stabilizing Infill	5 kg/m ²		5 kg/m ²		5 kg/m ²	Sand
Mix layer	25 kg/m ²	12.5 kg/m ²	25 kg/m ²	12.5 kg/m ²	25 kg/m ² 12.5 kg/m ²	Sand / Cryo 14-30 Rubber
Performance Infill	2 kg/m ²		2 kg/m ²		2 kg/m ²	Composite 1 / Composite 2 / Olive

FIG. 4

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2010/055461 A1 (DALUISE DANIEL A [US] ET AL) 4 March 2010 (2010-03-04) * figures 1,2 * * paragraph [0029] * * the whole document *	1-14, 16-18	INV. E01C13/08
X	US 2018/080183 A1 (AUMONIER NICOLAS [CA] ET AL) 22 March 2018 (2018-03-22) * figures 2,4-7 * * the whole document *	1-14, 16-18	
X	WO 2014/049531 A2 (MAR PROJECT S R L [IT]; VOLTERRANI MARCO [IT]) 3 April 2014 (2014-04-03) * figure 3 * * page 15, line 8 - line 18 * * the whole document *	1-14, 16-18	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01C

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search	Date of completion of the search	Examiner
Munich	13 December 2023	Klein, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

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INCOMPLETE SEARCH
SHEET C

Application Number

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Claim(s) completely searchable:
1-14, 16-18

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Claim(s) not searched:
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Reason for the limitation of the search:

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On 26-09-2023, pursuant to Rule 62a(1) EPC, the applicant was invited to indicate the claims complying with the Rule 43(2) EPC on the basis of which the search was to be carried out.

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On 30-10-2023, the applicant replied that he "chooses claims 1-14 and 16-18 as basis for the further search", which is understood as an appropriate answer to the invitation pursuant to Rule 62a(1) EPC.

The search is therefore done on independent claim 1 and its dependent claims 2-14, 16-18.

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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13-12-2023

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