

Title (en)  
ARTIFICIAL TURF AND ARTIFICIAL TURF INFILL

Title (de)  
KUNSTRASEN UND KUNSTRASENFÜLLUNG

Title (fr)  
GAZON ARTIFICIEL ET MATÉRIAU DE REMPLISSAGE POUR GAZON ARTIFICIEL

Publication  
**EP 3666975 A1 20200617 (EN)**

Application  
**EP 18212778 A 20181214**

Priority  
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Abstract (en)  
The present invention relates to an artificial turf (600), comprising an artificial turf carpet (500), wherein the artificial turf carpet comprises multiple artificial turf fiber tufts (504); and an artificial turf infill (10), which is scattered between the multiple artificial turf fiber tufts (504), wherein the artificial turf infill (10) comprises a plurality of microporous zeolite mineral particles (110), the particles (110) having pores (111) that form openings on the outer surface of the microporous zeolite mineral particles (110), wherein the outer surface of at least some of the microporous zeolite mineral particles (110) is partly coated with a polyurethane coating (120), wherein the coating extends over some of the pores (111) forming respective covers (130) of the openings, wherein the polyurethane coating (120) coats a portion of the inner surface of the covered pores (111) in the region of the cover (130) and wherein the microporous zeolite mineral particles (110) have the same amount of their outer surface coated by the coating (120) relative to the total outer surface.

IPC 8 full level  
**E01C 13/08** (2006.01)

CPC (source: EP)  
**E01C 13/08** (2013.01)

Citation (applicant)  
• US 10066345 B2 20180904 - SPITTLE KEVIN S [US], et al  
• US 10066345 B2 20180904 - SPITTLE KEVIN S [US], et al

Citation (search report)  
• [XY] WO 2012058555 A2 20120503 - QUANTUM GROUP INC [US], et al  
• [IDY] US 10066345 B2 20180904 - SPITTLE KEVIN S [US], et al  
• [Y] EP 3216821 A1 20170913 - POLYTEX SPORTBELÄGE PRODUKTIONS-GMBH [DE], et al  
• [Y] US 2016333535 A1 20161117 - ROBINSON MICHAEL S [US], et al  
• [Y] EP 2749350 A2 20140702 - PINTAT BENOIT [FR]

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