

Title (en)  
ARTIFICIAL TURF GRASS WITH NATURAL APPEARANCE

Title (de)  
KUNSTRASENGRAS MIT NATÜRLICHEM AUSSEHEN

Title (fr)  
GAZON ARTIFICIEL D'ASPECT NATUREL

Publication  
**EP 3906331 A1 20211110 (EN)**

Application  
**EP 19836776 A 20191219**

Priority  
• EP 19382003 A 20190103  
• US 2019067362 W 20191219

Abstract (en)  
[origin: WO2020142230A1] Disclosed herein is a turf filament comprising from 50 to 99.5 weight percent of a base polymer selected from polyolefins, polyamides, polyesters and combinations thereof, from 0.1 to 20 weight percent of polymer particles having a core and a shell structure where the core comprises a first polymeric material having a first refractive index and the shell comprises a second polymeric material having a second refractive index that is different from the first refractive index, from 0.5 to 30 weight percent of a compatibilizer and from 0 to 10 weight percent of a colorant based on total weight of the filaments. Also disclosed is a synthetic turf comprising such filaments. These filaments provide a turf with a natural appearance.

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

CPC (source: EP US)  
**D01F 1/10** (2013.01 - EP); **D01F 6/04** (2013.01 - EP US); **E01C 13/08** (2013.01 - EP US); **D01F 1/04** (2013.01 - EP); **D06N 7/0065** (2013.01 - EP)

Citation (search report)  
See references of WO 2020142230A1

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**WO 2020142230 A1 20200709**; AR 117496 A1 20210811; CN 113260744 A 20210813; EP 3906331 A1 20211110; US 2022025587 A1 20220127

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**US 2019067362 W 20191219**; AR P190103836 A 20191220; CN 201980087528 A 20191219; EP 19836776 A 20191219;  
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