

Title (en)

ARTIFICIAL TURF AND PRODUCTION METHOD

Title (de)

KUNSTRASEN UND HERSTELLUNGSVERFAHREN

Title (fr)

GAZON ARTIFICIEL ET SON PROCÉDÉ DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: WO2015144223A1] The invention provides for a method of manufacturing artificial turf (1000). The method comprising the steps of: creating (100) a polymer mixture (100, 400, 500), wherein the polymer mixture is at least a three-phase system, wherein the polymer mixture comprises a first polymer (402), a second polymer (404), and a compatibilizer (406), wherein the first polymer and the second polymer are immiscible, wherein the first polymer forms polymer beads (408) surrounded by the compatibilizer within the second polymer; extruding (102) the polymer mixture into a monofilament (606); quenching (104) the monofilament; reheating (106) the monofilament; stretching (108) the reheated monofilament to deform the polymer beads into threadlike regions (800) and to form the monofilament into an artificial turf fiber (1004); incorporating (110) the artificial turf fiber into an artificial turf carpet (1002).

IPC 8 full level

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