

Title (en)

Method for producing yarn for fields of artificial grass and field of artificial grass produced with this yarn.

Title (de)

Verfahren zur Herstellung von Garnen für Kunstgrasflur und mit diesen Garnen hergestellter Kunstgrasflur.

Title (fr)

Méthode pour la fabrication de fils pour terrains en gazon artificiel et terrains fabriqués avec ces fils.

Publication

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Application

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Priority

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Abstract (en)

Method for the production of yarn for fields of artificial grass by extruding polymer granulate to bands or to a film, cutting the film into bands and stretching the bands, in which the bands having a width of 1.5-4 mm are stretched at a stretching ratio of 1 to 2-3 to bands having a width of 0.75-3 mm whilst the thickness is 50-80% of the thickness of the extruded band and then 5-10 bands are twisted into the yarn

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IPC 8 full level

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Citation (search report)

- [YD] US 4253299 A 19810303 - BORENSTEIN DAVID E, et al
- [A] EP 0259940 A2 19880316 - NIJVERDAL TEN CATE TEXTIEL [NL]
- [A] DE 1941950 A1 19710304 - NINO GMBH & CO
- [YD] THE TEX, vol. 27, no. 12, December 1968, pages 638-643, Doetinchem, NL; G. SCHUUR: "Stapelvezels en continugarens van gefibrilleerde polypropyleen film"
- [YD] THE TEXTILE MANUFACTURER, vol. 97, no. 1159, July 1971, pages 263-268, Manchester, GB; W.H. BADRIAN et al.: "Fibrillated polypropylene fibre"

Cited by

EP1053362A4; US6432505B1; US5578373A; GB2296722A; GB2296722B; EP0648868A1; NL9301798A; EP1739233A1; AU2003238715B2; EA007555B1; US7611763B2; US8999213B2; US6193828B1; WO2013057583A3; WO2004106601A1; EP0996781B2; EP1747306B1; EP1747306B2

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