

Title (en)

Stabilized polyurethane modified polyester forming fabric.

Title (de)

Stabilisiertes Papiermaschinenewebe aus mit Polyurethan modifiziertem Polyester.

Title (fr)

Toile stabilisée pour machine de fabrication de papier en polyester modifié avec le polyuréthane.

Publication

EP 0387395 B1 19941207 (EN)

Application

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Priority

US 32461489 A 19890317

Abstract (en)

[origin: EP0387395A2] This invention discloses a paper-maker's forming fabric wherein some of the yarns are melt-extruded monofilaments, that are a blend of 60 to 90% by weight of a polyethylene terephthalate, together with 40 to 10% by weight of a thermoplastic polyurethane, which may be an ester or ether-based type. Additionally, it is contemplated that the blend may contain up to 5% by weight of a hydrolysis stabilizer. The high abrasion resistance of these blended monofilaments makes them particularly advantageous for use in replacing the nylon-6 and nylon-66 monofilaments currently used in paper machine forming fabrics. The monofilaments disclosed comprising blends of polyethylene terephthalate and thermoplastic polyurethane are also a feature of this invention.

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IPC 8 full level

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Cited by

WO2015192932A1; EP0735166A3; US6033777A; CN106232883A; CN114016147A; DE19648884A1; EP0674029A1; US5700881A; WO9526432A1; WO0056957A1; WO9915047A1; WO9303221A1; DE102007009118A1; EP1961845A2; DE102007009117A1; EP1961844A2; EP0844320B1; DE102014009238A1; US10793975B2; DE102007009119A1; US7825174B2; EP1961846A2

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