

Title (en)
THERMOPLASTIC POLYMER YARNS AND FILMS INCLUDING DRY LUBRICANTS AND INDUSTRIAL TEXTILES MADE THEREFROM

Title (de)
THERMOPLASTISCHE POLYMERGARNE UND FILME MIT TROCKENEN SCHMIERMITTELN SOWIE DARAUS HERGESTELLTE INDUSTRIELLE TEXTILSTOFFE

Title (fr)
FILS ET FILMS POLYMÈRES THERMOPLASTIQUES COMPRENANT DES LUBRIFIANTS SECS ET TEXTILES INDUSTRIELS FABRIQUÉS À PARTIR DESDITS FILS ET FILMS

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Application
EP 11752768 A 20110302

Priority
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• CA 2011000236 W 20110302

Abstract (en)
[origin: CA2696648A1] Oriented thermoplastic polymer monofilaments comprised of a polyester having an intrinsic viscosity of at least 0.55 in the final monofilament, and further including in the polymer an effective amount of from about 0.1% up to about 10% parts by weight (pbw) based on the total weight of the monofilament, of molybdenum disulphide particles. When incorporated into industrial textiles, such as papermakers fabrics, as a portion of either or both the machine direction or cross-machine direction yarns, the novel monofilaments are effective to reduce the overall coefficient of friction of the fabric when compared to similar polyester monofilaments not containing the molybdenum disulphide, thus reducing fabric drive loads and associated energy costs to the user. The novel monofilaments further exhibit excellent resistance to abrasive wear in comparison to comparable monofilaments formed from a similar polyester which does not contain molybdenum disulphide particles.

IPC 8 full level
D01F 1/10 (2006.01); **D01F 6/60** (2006.01); **D01F 6/62** (2006.01); **D03D 15/58** (2021.01); **D21F 1/00** (2006.01); **D21F 1/10** (2006.01); **D21F 7/08** (2006.01); **D04H 3/04** (2012.01)

CPC (source: EP US)
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