

Title (en)
Biodegradable coating agent

Title (de)
Biologisch abbaubare Beschichtungsmittel

Title (fr)
Agent de revêtement biodégradable

Publication
EP 0935018 A1 19990811 (DE)

Application
EP 99101833 A 19990128

Priority
DE 19805153 A 19980209

Abstract (en)
Biodegradable coating material for fibres, especially elastan fibres, contains biodegradable mineral oil with a viscosity of 2.5-100 (preferably 2.5-50) mPa.s (20 degrees C), a density of 790-880 (preferably 805-860) kg/m³ (15 degrees C) and a viscosity-density constant (VDC) of 0.770-0.810, preferably 0.775-0.805, most preferably 0.775-0.800. An Independent claim is also included for a process for the production of fibres, filaments or yarn, especially of polyurethane (PUR), in which the surface of the freshly spun or stretched fibre etc. is coated with the above material in amounts of 0.5-15 (preferably 1.5-10, most preferably 2.5-8) wt% based on the wt. of fibre.

Abstract (de)
Die Erfindung betrifft biologisch abbaubare Beschichtungsmittel auf Basis leicht biologisch abbaubarer Mineralöle. Die Erfindung betrifft ferner die Verwendung der Beschichtungsmittel zur Präparation von Kunststoffformkörpern, Fasern oder von Garnen. Insbesondere zeigen die Beschichtungsmittel Vorteile bei der Weiterverarbeitung von mit den Beschichtungsmitteln ausgerüsteten elastischen Polyurethan-Fasern oder daraus hergestellter Flächenwaren.

IPC 1-7
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IPC 8 full level
C08L 101/16 (2006.01); **D01F 6/70** (2006.01); **D01F 11/00** (2006.01); **D06M 13/02** (2006.01); **D06M 13/184** (2006.01); **D06M 13/188** (2006.01); **D06M 13/192** (2006.01); **D06M 13/203** (2006.01); **D06M 13/248** (2006.01); **D06M 13/256** (2006.01); **D06M 13/51** (2006.01); **D06M 13/513** (2006.01); **D06M 15/643** (2006.01); **D06M 15/647** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/38** (2006.01)

CPC (source: EP KR US)
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