

Title (en)

FORMULATION OF A HIGHLY VISCOUS MINERAL OIL FOR THE PRODUCTION OF FILTERS FOR TOBACCO

Title (de)

FORMULIERUNG EINES HOCHVISKOSEN MINERAL ÖLS ZUR HERSTELLUNG VON FILTERN FÜR TABAKWAREN

Title (fr)

FORMULATION D'UNE HUILE MINERALE A VISCOSITE ELEVEE POUR LA REALISATION DE FILTRES POUR PRODUITS DU TABAC

Publication

EP 1530657 B1 20100428 (DE)

Application

EP 03732455 A 20030524

Priority

- EP 03732455 A 20030524
- EP 0305440 W 20030524
- EP 02015405 A 20020711

Abstract (en)

[origin: EP1380684A1] Fiber lubricant comprises 30-90 wt.% of a mineral oil with a viscosity of at least 8.5 mm²/second at 100 degrees C and 11-60 wt.% of an emulsifier selected from sorbitan mono-, di- and triesters, polyglycerol esters, polyricinolates and their derivatives. Independent claims are also included for: (1) fibers coated with the lubricant after spinning; (2) cigarette filter comprising the fibers.

IPC 8 full level

D06M 13/02 (2006.01); **A24D 3/06** (2006.01); **A24D 3/10** (2006.01); **A24D 3/14** (2006.01); **D06M 13/224** (2006.01); **D06M 15/03** (2006.01); **D06M 15/227** (2006.01)

CPC (source: EP US)

A24D 3/10 (2013.01 - EP US); **A24D 3/14** (2013.01 - EP US); **D06M 7/00** (2013.01 - EP US); **D06M 13/02** (2013.01 - EP US); **D06M 13/224** (2013.01 - EP US); **D06M 13/2243** (2013.01 - EP US); **D06M 2101/08** (2013.01 - EP US); **D06M 2200/40** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1380684 A1 20040114; AT E466130 T1 20100515; AU 2003238389 A1 20040202; DE 50312667 D1 20100610; EP 1530657 A1 20050518; EP 1530657 B1 20100428; US 2004007687 A1 20040115; US 7153447 B2 20061226; WO 2004007831 A1 20040122

DOCDB simple family (application)

EP 02015405 A 20020711; AT 03732455 T 20030524; AU 2003238389 A 20030524; DE 50312667 T 20030524; EP 0305440 W 20030524; EP 03732455 A 20030524; US 20061102 A 20020722