

Title (en)

MONOFILAMENTS WITH IMPROVED WEAVABILITY AND THEIR USE

Title (de)

MONOFILAMENTE MIT VERBESSERTER WEBBARKEIT, SOWIE DEREN VERWENDUNG

Title (fr)

MONOFILAMENTS A PROPRIETES DE TISSAGE AMELIOREES, ET LEUR UTILISATION

Publication

**EP 0663966 B2 20020502 (DE)**

Application

**EP 94920865 A 19940727**

Priority

- CH 9400156 W 19940727
- CH 235593 A 19930806

Abstract (en)

[origin: WO9504847A1] Monofilament with a diameter < 0,1 mm produced by the incorporation of a polydialkyl siloxane unit with an Si content in the monofilament of 0.05 to 2.0 % wt., modified in such a way that, after drawing to an elongation at break < 30 %, said monofilament has a strength of at least 45 cN/tex and at the same time a modulus of elasticity at an extension of 5 % > 500 cN/tex and a thread-thread coefficient of friction  $\mu < 0.30$  and a ceramic/thread coefficient of friction  $\mu < 0.50$ . The monofilaments are used for the non-peeling and abrasion-free production of dense precision fabrics for filter media, strainers and screens for serigraphy.

IPC 1-7

**D01F 6/84**

IPC 8 full level

**D01F 6/62** (2006.01); **B01D 39/08** (2006.01); **D01F 6/84** (2006.01); **D01F 6/92** (2006.01); **D03D 15/58** (2021.01)

CPC (source: EP)

**D01F 6/84** (2013.01)

Citation (opposition)

Opponent :

WO 9501471 A1 19950112 - SCHWEIZERISCHE VISCOSE [CH], et al

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

**WO 9504847 A1 19950216**; DE 59407653 D1 19990225; EP 0663966 A1 19950726; EP 0663966 B1 19990113; EP 0663966 B2 20020502; ES 2129651 T3 19990616; ES 2129651 T5 20021116; JP 3249527 B2 20020121; JP H08503273 A 19960409

DOCDB simple family (application)

**CH 9400156 W 19940727**; DE 59407653 T 19940727; EP 94920865 A 19940727; ES 94920865 T 19940727; JP 50613195 A 19940727