

Title (en)
Sewing thread and process of making such a sewing thread

Title (de)
Nähgarn sowie Verfahren zur Herstellung eines derartigen Nähgarnes

Title (fr)
Fil à coudre et son procédé de fabrication

Publication
EP 1479802 B1 20160224 (DE)

Application
EP 04008559 A 20040408

Priority
DE 10320099 A 20030505

Abstract (en)
[origin: EP1479802A1] A synthetic fibre sewing thread has a maximum tensile stretch of between 25% and 85%, and a maximum elongation elasticity of between 30% and 95%. Determination is made using a measuring force that is 70% of the absolute strength of the respective thread. Also claimed are two processes to make a commensurate sewing thread in which the thread is made either of doubled yarn or garn intermingled by air turbulence. In the manufacturing process, two or more yarn components are selected which have a maximum tensile stretch of between 25% and 85%, and a maximum elongation elasticity of between 30% and 95%. After the thread formation process, the thread is subjected to thermal and/or hydrothermal treatment process. One or both of the fibres are chemically-modified polyester fibres e.g. a multifilament poly-trimethylene-terephthalate. One yarn forms the core, while the second component is an air-formed fancy yarn.

IPC 8 full level
D02G 3/46 (2006.01)

CPC (source: EP US)
D02G 3/46 (2013.01 - EP US); **Y10S 57/903** (2013.01 - EP US); **Y10T 428/29** (2015.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2924** (2015.01 - EP US); **Y10T 428/2976** (2015.01 - 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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1479802 A1 20041124; EP 1479802 B1 20160224; DE 102004018121 A1 20041209; ES 2567435 T3 20160422; PL 1479802 T3 20160630; US 2004265580 A1 20041230; US 2005144927 A1 20050707; US 6905764 B2 20050614; US 7159379 B2 20070109

DOCDB simple family (application)
EP 04008559 A 20040408; DE 102004018121 A 20040408; ES 04008559 T 20040408; PL 04008559 T 20040408; US 6770405 A 20050301; US 83775604 A 20040504