

Title (en)

METHOD FOR PRODUCING DYED SEWING THREADS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GEFÄRBTEN NÄHFÄDEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE FILS À COUDRE COLORÉS

Publication

EP 2165016 B2 20171227 (DE)

Application

EP 08773614 A 20080624

Priority

- EP 2008005104 W 20080624
- DE 102007031037 A 20070704

Abstract (en)

[origin: WO2009003615A2] The invention relates to a method for producing dyed sewing threads, especially airbag threads. According to said method, a preparation improving the thread properties and a dye are applied to the thread, the preparation and the dye being mixed and being applied jointly to the thread as a mixture. The invention also relates e.g. to a sewing thread produced according to said method.

IPC 8 full level

D06P 1/46 (2006.01); **D02G 3/40** (2006.01); **D02G 3/46** (2006.01); **D06P 1/00** (2006.01); **D06P 1/44** (2006.01); **D06P 1/52** (2006.01)

CPC (source: EP US)

D02G 3/40 (2013.01 - EP US); **D02G 3/46** (2013.01 - EP US); **D06P 1/0004** (2013.01 - EP US); **D06P 1/44** (2013.01 - EP US); **D06P 1/46** (2013.01 - EP US); **D06P 1/5214** (2013.01 - EP US); **D06P 1/5292** (2013.01 - EP US); **Y10T 428/2933** (2015.01 - EP US); **Y10T 428/2962** (2015.01 - EP US)

Citation (opposition)

Opponent :

- EP 0919649 A2 19990602 - COUSIN FILTERIE SA [FR]
- DE 4333716 C1 19950202 - GRAF & CO GMBH [DE]
- Bedienungs- und Installationsanleitung des Single-Lun hot, erstellt 2/95
- Lieferschein-Nr: 20066020019 vom. 2.2.2006
- Foto des bereits Anfang 2006 installierten Single-Lub hot-Applikators

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007031037 A1 20090108; CN 101765688 A 20100630; CN 101765688 B 20140716; EP 2165016 A2 20100324; EP 2165016 B1 20131218; EP 2165016 B2 20171227; ES 2448869 T3 20140317; ES 2448869 T5 20180404; MX 2009014170 A 20100304; PL 2165016 T3 20140530; PL 2165016 T5 20180629; PT 2165016 E 20140304; US 2011016842 A1 20110127; WO 2009003615 A2 20090108; WO 2009003615 A3 20090219

DOCDB simple family (application)

DE 102007031037 A 20070704; CN 200880022654 A 20080624; EP 08773614 A 20080624; EP 2008005104 W 20080624; ES 08773614 T 20080624; MX 2009014170 A 20080624; PL 08773614 T 20080624; PT 08773614 T 20080624; US 66763508 A 20080624