Title (en)
    SEWING THREAD AND ITS MANUFACTURE

Title (de)
    NÄHFADEN UND SEINE HERSTELLUNG

Title (fr)
    FIL À COUDRE ET SA FABRICATION

Publication
    EP 2625323 B1 20150422 (EN)

Application
    EP 11778933 A 20111007

Priority
    • US 39075310 P 20101007
    • GB 2011001456 W 20111007

Abstract (en)
    [origin: WO2012046007A1] A method of manufacturing textured thread textured thread comprisES the steps of: processing textured yarn having
    a zero or near-zero twist by applying a singles twist thereto; plying at least two textured yarns together by twisting them in a direction opposing the
    singles twist; wherein the singles twists lie in the range 4 to 20 turns per inch and the plying twist lies in the range 2 to 18 turns per inch.

IPC 8 full level
    D02G 1/02 (2006.01); **D02G 3/28** (2006.01)

CPC (source: EP US)
    A41D 31/00 (2013.01 - US); **D02G 1/02** (2013.01 - EP US); **D02G 1/0206** (2013.01 - US); **D02G 3/28** (2013.01 - EP US);
    D02G 3/46 (2013.01 - EP US); **D02J 1/08** (2013.01 - US); D10B 2331/04 (2013.01 - EP US)

Citation (opposition)
    Opponent : AMANN & SÖHNE GMBH & CO. KG,
    • US 3831368 A 19740827 - GLOWACKI A
    • EP 0569890 B1 19961030 - AMANN & SOEHNE [DE]
    • WO 8903437 A1 19890420 - SCHWEIZERISCHE VISCOSE [CH]
    • EP 0123479 B1 19910619
    • EP 0295601 A2 19881221 - AMANN & SOEHNE [DE]
    • DIETER VEIT: "?Einstellung von Falschdraht-Texturier- maschinen mit Hilfe der Evolutionsstrategie und neuronaler Netze", DISSERTATION, March
      1999 (1999-03-01), pages 4 und 5, XP055255168, ISBN: 978-3-8265-4892-5
    • "Basics, ?Drehung und Zwirnung aus Nähgarnen".", FOCUS, vol. 1, 12 May 2003 (2003-05-12), XP055255437

Designated contracting state (EPC)
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DOCDB simple family (publication)
    WO 2012046007 A1 20120412; EP 2625323 A1 20130814; EP 2625323 B1 20150422; US 2013291286 A1 20131107

DOCDB simple family (application)
    GB 2011001456 W 20111007; EP 11778933 A 20111007; US 201113878102 A 20111007