

Title (en)

Compensation device of the tension pulsations in four-for-one twisting spindles

Title (de)

Vorrichtung zum Ausgleich der Spannungsimpulse in 4:1-Zwirnspindeln

Title (fr)

Dispositif de compensation pour les pulsations de tensions dans des broches de torsion quatre en un

Publication

**EP 2028301 B1 20160106 (EN)**

Application

**EP 08160642 A 20080717**

Priority

IT MI20071579 A 20070801

Abstract (en)

[origin: EP2028301A2] Device for compensating the feed tension in four-for-one twisting spindles in which a doubled yarn is unwound from a rotating unwinder which rotates by following the unwinding of the feed yarn, in which the yarn re-ascends a re-ascending internal axial cavity in which a compensator device is inserted, which lengthens and shortens the run of the yarn at its interior as a function of its tension.

IPC 8 full level

**D01H 7/86** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP)

**D01H 7/86** (2013.01); **D01H 13/10** (2013.01); **D01H 13/106** (2013.01)

Cited by

CN103668606A; EP2366818A1

Designated contracting state (EPC)

CH DE IT LI TR

DOCDB simple family (publication)

**EP 2028301 A2 20090225**; **EP 2028301 A3 20091230**; **EP 2028301 B1 20160106**; CN 101358394 A 20090204; CN 101358394 B 20111214; IT MI20071579 A1 20090202

DOCDB simple family (application)

**EP 08160642 A 20080717**; CN 200810129465 A 20080731; IT MI20071579 A 20070801