

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 A3 20091230 (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)

CPC (source: EP)

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

Citation (search report)

- [YA] EP 1045053 A1 20001018 - MURATA MACHINERY LTD [JP]
- [Y] US 4642980 A 19870217 - FUKUNAGA MITSUO [JP], et al
- [AD] WO 9855675 A1 19981210 - AGNOLO ARMANDO D [IT]

Cited by

CN103668606A; EP2366818A1

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

Designated extension state (EPC)

AL BA MK RS

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