

Title (en)

Self-adjusting thread tensioning device for winding yarns

Title (de)

Selbsteinstellende Spannvorrichtung für Wickelgarne

Title (fr)

Dispositif de réglage automatique de tension pour des fils d'enroulement

Publication

**EP 2644550 B1 20180808 (EN)**

Application

**EP 13160937 A 20130325**

Priority

IT MI20120478 A 20120327

Abstract (en)

[origin: EP2644550A1] Device for tensioning a winding thread (2) in textile machines comprising a plurality of stationary deviator elements (22, 54) and a plurality of displaceable deviator elements (27, 47) arranged like a comb facing one another in a staggered and opposed manner so as to form a tortuous path for the thread that passes through the device, in which such deviator elements are provided with sliding elements (38) elastically contrasted to move forth and back against the thread, each sliding element (38) being capable of moving independently from each other, in which the tortuousness of the path is adjusted with a mobile device (26) that modulates the load of the elastic elements (39, 49) working in contact with the thread, to obtain the desired tension in the thread in outlet from the thread tensioning device.

IPC 8 full level

**B65H 59/28** (2006.01)

CPC (source: EP)

**B65H 59/28** (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN115881424A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 2644550 A1 20131002; EP 2644550 B1 20180808**; CN 103359541 A 20131023; CN 103359541 B 20170721; CN 203402763 U 20140122; IN 1138MU2013 A 20150529; IT MI20120478 A1 20130928

DOCDB simple family (application)

**EP 13160937 A 20130325**; CN 201310102931 A 20130327; CN 201320145775 U 20130327; IN 1138MU2013 A 20130326; IT MI20120478 A 20120327