

Title (en)
Tension applying device

Title (de)
Vorrichtung zum Anbringen von Spannung

Title (fr)
Dispositif d'application de tension

Publication
EP 1975105 A2 20081001 (EN)

Application
EP 08004414 A 20080310

Priority
JP 2007091765 A 20070330

Abstract (en)
A tension applying device has a fixed disc 24 and a movable disc 25 provided close to the fixed disc 24, and includes a plurality of tension applying portions 15, 16 that slide a traveling yarn Y1 between the fixed disc 24 and the movable disc 25 to apply tension to the yarn Y1. At least any one of the plurality of tension applying portions 15, 16, for example, the tension applying portion 16, includes a compression coil spring 34 on the movable disc 25 side and is configured such that action of the compression coil spring 34 biases said movable disc 25 toward said fixed disc 24. The tension applying device further includes a switching means 60 for switching the tension applying portion 16 between an operative state in which the tension applying portion 16 applies tension to the yarn Y1 and an inoperative state in which the tension applying portion 16 applies no tension to the yarn Y1 (Fig.2).

IPC 8 full level
B65H 59/22 (2006.01)

CPC (source: EP)
B65H 59/225 (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP H0733982 U 19950623
• JP H10297825 A 19981110 - MURATA MACHINERY LTD
• WO 9952806 A1 19991021 - SUCKER MUELLER HACоба GMBH [DE], et al
• US 3181569 A 19650504 - CARROLL WILLIAM J

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CN110304318A; EP4310044A1

Designated contracting state (EPC)
DE IT

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1975105 A2 20081001; **EP 1975105 A3 20091230**; CN 101274723 A 20081001; JP 2008247560 A 20081016

DOCDB simple family (application)
EP 08004414 A 20080310; CN 200810086946 A 20080328; JP 2007091765 A 20070330