

Title (en)
Yarn tensioner

Title (de)
Garnspanner

Title (fr)
Tensionneur de fil

Publication
EP 2354070 B1 20130102 (EN)

Application
EP 10000995 A 20100201

Priority
EP 10000995 A 20100201

Abstract (en)
[origin: EP2354070A1] In a yarn tensioner T comprising a series of rigid yarn deflecting elements 1 commonly defining a yarn path P, the yarn deflecting elements being distributed with interspaces in-between on both opposite sides of the yarn path such that a respective yarn deflecting element is located at one side with an offset in yarn run direction D relative to a yarn deflecting element 1 located at the opposite side, at least one yarn deflecting element 2a, 2b being adjustable substantially perpendicularly to the yarn path in order to vary the tensioning effect in an operative condition of the yarn tensioner, the yarn path P is lined between the yarn deflecting elements 1, 2 by at least one thin walled flexible spring leaf 8a, 8b per side of the yarn path P, the spring leaves being biased towards each other by the deflecting elements, such that one respective spring leaf 8a, 8b is supported at one location of the yarn path P at a deflecting element while the other respective and parallelly arranged spring leaf is free at the same location of yield perpendicularly to the yarn run direction D away from the one spring leaf, the spring leaf 8a, 8b being markedly longer in yarn run direction D than the distance occupied by the series of yarn deflecting elements 1, 2 with the longitudinal free end of the spring leaves being distant in yarn run direction from the respective first yarn deflecting element.

IPC 8 full level
B65H 59/24 (2006.01); **B65H 59/30** (2006.01); **D03D 47/34** (2006.01)

CPC (source: EP)
B65H 59/24 (2013.01); **B65H 59/30** (2013.01); **D03D 47/34** (2013.01); **B65H 2701/31** (2013.01)

Cited by
WO2019032007A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2354070 A1 20110810; **EP 2354070 B1 20130102**; CN 102152997 A 20110817; CN 102152997 B 20130109

DOCDB simple family (application)
EP 10000995 A 20100201; CN 201110034641 A 20110130