

Title (en)

Apparatus for crimping synthetic yarn tows or bands

Title (de)

Vorrichtung zum Kräuseln von synthetischen Fadenbündeln oder -bändern

Title (fr)

Dispositif pour le frisage de câbles ou bandes de fils synthétiques

Publication

EP 0778363 B1 20011107 (DE)

Application

EP 96111823 A 19960723

Priority

DE 19537958 A 19951012

Abstract (en)

[origin: US5778502A] A device for crimping synthetic thread bundles or bands has a stuffing chamber, a pair of rollers supplying a thread bundle or band into the stuffing chambers, a pressing disk covering a roller gap at end sides of the rollers, a clamping element including and axially reciprocating piston which presses the pressing disks against the end surfaces of the rollers, a rotary drive having a drive unit for producing a reciprocating movement and an apparatus for converting the reciprocating movement in a stepped rotation of the pressing disks, the clamping element being fixedly connected with the rotary drive to form a structural group, the structural group having a single rotatably supported and axially displaceable driven element which axially engages the pressing disk and is fixedly connected with it for joint rotation, the piston of the clamping element being clampable inside the structural group axially against the driven element, the rotary drive having a swivel motor with a swiveling shaft which is reciprocatingly swivelable in a limited angular region and a free-running element arranged as a coupling between the swivel shaft and the driven element aligned with the swivel shaft.

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