

Title (en)
THREAD TENSIONING DEVICE FOR A TWISTING OR CABLING MACHINE

Title (de)
FADENSPANNUNGSBEEINFLUSSUNGSEINRICHTUNG FÜR EINE ZWIRN- ODER KABLIERMASCHINE

Title (fr)
DISPOSITIF D'INFLUENCE DE LA TENSION DU FIL POUR UNE MACHINE DE RETORDAGE OU DE CÂBLAGE

Publication
EP 3597804 B1 20221026 (DE)

Application
EP 19186713 A 20190717

Priority
DE 102018005732 A 20180720

Abstract (en)
[origin: US2020024775A1] Yarn-tension influencing device for a twisting or cabling machine for feeding a yarn via a traversing yarn guide to a take-up package, the yarn-tension influencing device having a first deflection roller, arranged downstream of a yarn handling device in the yarn transport direction and is provided for guiding the yarn from a balloon yarn guide through the yarn handling device and for deflecting the yarn; a second deflection roller, arranged downstream of the first deflection roller in the yarn transport direction and is provided for further deflection of the yarn; a third deflection roller, arranged downstream of the second deflection roller in the yarn transport direction and is provided for adjusting the angle of wrap of the yarn around an advance roller; and an advance roller, arranged downstream of the third deflection roller in the yarn transport direction and is provided for regulating the yarn tension. The yarn handling device is a yarn clamping and cutting device, and a sensor device is provided for monitoring the yarn, the second deflection roller being arranged on a plane different from a horizontal plane formed by the axis of rotation of the first deflection roller.

IPC 8 full level
D01H 13/10 (2006.01); **B65H 59/12** (2006.01)

CPC (source: CN EP US)
B65H 54/71 (2013.01 - EP); **B65H 59/18** (2013.01 - EP); **B65H 63/036** (2013.01 - EP); **D01H 13/10** (2013.01 - CN); **D01H 13/104** (2013.01 - EP US); **D01H 13/26** (2013.01 - US); **B65H 2701/31** (2013.01 - EP)

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Cited by
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