

Title (en)
Winding apparatus for a continuously running thread

Title (de)
Spulmaschine für einen kontinuierlich auflaufenden Faden

Title (fr)
Bobinoir pour un fil en déplacement continu

Publication
EP 0768271 A3 19980121 (DE)

Application
EP 96116021 A 19961007

Priority
DE 19538480 A 19951016

Abstract (en)
[origin: EP0768271A2] A winding machine for a continuously accumulating thread (1) has a rotatable drum (6) on which are mounted two reel spindles which can be rotated. Ahead of the drum as the thread runs, the machine also has a thread laying device (4) and a roller (5) which makes contact on its periphery with the reel (15) being formed on the operating spindle (9 or 10). The distance between the roller axis (13) and the operating spindle axis (11) can be changed in an expanding direction corresp. to the increasing reel dia. The machine has a drum rotation controller (20), a device for determining thread speed and a device for determining the rotational speed of the operating spindle. The controller has a computer unit (21) for calculating the present instantaneous dia. of the reel under formation and its present instantaneous angular speed between beginning and end of each computing cycle for use as control quantities for the drum rotation over the complete reel travel. Also claimed is a process for control of the winding machine using the above appts. where the drum is rotated with angular speed which varies continuously from one computing cycle to the next.

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IPC 8 full level
B65H 54/02 (2006.01); **B65H 54/52** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR US)
B65H 54/52 (2013.01 - EP KR US); **B65H 61/005** (2013.01 - KR); **B65H 67/048** (2013.01 - EP KR US); **B65H 2511/212** (2013.01 - EP US); **B65H 2513/11** (2013.01 - KR); **B65H 2557/24** (2013.01 - EP KR US); **B65H 2557/30** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP KR US)

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