

Title (en)
Take-up winder

Title (de)
Spulmaschine

Title (fr)
Enrouleur récepteur

Publication
EP 2184246 A2 20100512 (EN)

Application
EP 09173899 A 20091023

Priority
JP 2008284990 A 20081106

Abstract (en)
An object of the present invention is to set a bend angle α equal to or smaller than a management upper-limit bend angle α_k and to reduce the need to install a second godet roller at a higher position without the need to increase the number of guides. A take-up winder 1 includes a spinning section 2, a first godet roller 3 and a second godet roller 4 arranged in order along yarn paths of yarns Y spun by the spinning section 2, a bobbin holder 5 supporting a plurality of take-up bobbins 7 around which the respective yarns Y fed from the second godet roller 4 are wound, and a plurality of traverse support point guides 6 each configured to set a traverse support point for traversing of the corresponding one of the yarns Y fed from the second godet roller 4. The plurality of winding bobbins 7 are coaxially supported by the bobbin holder 5. The axial direction 4j of the second godet roller 4 is set to be orthogonal to the axial direction 7j of the take-up bobbins 7. Each of the yarns Y bent at the respective traverse support point guides 6 by more than the management upper-limit bend angle α_k is bent by a close guide 9 provided upstream of and close to the corresponding traverse support point guide 6.

IPC 8 full level
B65H 51/06 (2006.01); **B65H 54/20** (2006.01); **B65H 54/28** (2006.01); **B65H 57/04** (2006.01); **B65H 57/08** (2006.01); **D01D 10/00** (2006.01); **D01D 13/00** (2006.01)

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Citation (applicant)
JP H0241490 A 19900209 - YOKOGAWA ELECTRIC CORP

Cited by
CN103643327A; EP2505538A3; DE102022112853B3; WO2022253680A1

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