

Title (en)  
YARN WINDING MACHINE

Title (de)  
GARNWICKELMASCHINE

Title (fr)  
MACHINE DE BOBINAGE DE FIL

Publication  
**EP 4242155 A1 20230913 (EN)**

Application  
**EP 23157575 A 20230220**

Priority  
JP 2022037056 A 20220310

Abstract (en)  
A yarn winding machine includes restriction guides 60a and a movement mechanism 70a. The restriction guides 60a are respectively arranged so as to correspond to both sides of a range in an axial direction of a plurality of bobbins 90, and restrict the plurality of yarns 91 when being held by a yarn disengagement guide so that positions of the yarns 91 in the axial direction of a bobbin holder 42 are within the range in the axial direction of the plurality of bobbins 90 held by the bobbin holder 42. The movement mechanism 70a allow for movement of the restriction guide 60a between a restriction position where the restriction guide acts on the yarns 91 to restrict the yarns 91 and a retracted position where the restriction guide is retracted from the restriction position. An action part is positioned closer to the yarn path than an attachment part in the direction perpendicular to the axis, both when the restriction guide is at the restriction position and when the restriction guide is at the retracted position.

IPC 8 full level  
**B65H 65/00** (2006.01); **B65H 57/00** (2006.01); **B65H 67/048** (2006.01)

CPC (source: CN EP KR)  
**B65H 54/20** (2013.01 - KR); **B65H 57/003** (2013.01 - EP); **B65H 57/006** (2013.01 - CN); **B65H 57/16** (2013.01 - KR); **B65H 57/28** (2013.01 - KR); **B65H 65/00** (2013.01 - EP); **B65H 67/048** (2013.01 - EP); **B65H 2701/31** (2013.01 - KR); **B65H 2701/3132** (2013.01 - EP)

Citation (applicant)  
JP 2003226469 A 20030812 - MURATA MACHINERY LTD

Citation (search report)  
• [XAY] JP S62275977 A 19871130 - TORAY ENG CO LTD  
• [Y] US 5102060 A 19920407 - BUSENHART PETER [CH]  
• [YD] JP 2003226469 A 20030812 - MURATA MACHINERY LTD  
• [XAYI] JP S60248573 A 19851209 - MURATA MACHINERY LTD  
• [X] JP H0881134 A 19960326 - RIETER AG MASCHF  
• [X] WO 9426645 A1 19941124 - TORAY ENG CO LTD [JP], et al  
• [A] JP 2008290819 A 20081204 - TMT MACHINERY INC

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4242155 A1 20230913**; CN 116730105 A 20230912; JP 2023131992 A 20230922; KR 20230133192 A 20230919

DOCDB simple family (application)  
**EP 23157575 A 20230220**; CN 202310094763 A 20230210; JP 2022037056 A 20220310; KR 20230015549 A 20230206