

Title (en)  
YARN WINDING MACHINE

Title (de)  
GARNWICKELMASCHINE

Title (fr)  
MACHINE DE BOBINAGE DE FIL

Publication  
**EP 4234467 A1 20230830 (EN)**

Application  
**EP 23157361 A 20230217**

Priority  
JP 2022030154 A 20220228

Abstract (en)  
To provide a yarn winding machine 1 including a traverse device 21, a contact roller 31, a turret plate, a yarn removing device, and restriction guides 75. The turret plate changes positions of the first bobbin holder 41 and the second bobbin holder 42 during a bobbin switching time. During the bobbin switching time, the yarn removing device removes the yarn wound on a first bobbin 91 from the traverse device 21. The restriction guides 75 are each provided so as to correspond to both sides of a yarn layer region of the first bobbin 91, and before completing an operation of removing, by the yarn removing device, the yarn from the traverse device 21, restricts the yarn wound on the first bobbin 91 to within the yarn layer region of the first bobbin 91 in an axial direction of a package 94.

IPC 8 full level  
**B65H 65/00** (2006.01); **B65H 54/71** (2006.01); **B65H 67/048** (2006.01)

CPC (source: CN EP KR)  
**B65H 54/71** (2013.01 - EP); **B65H 57/00** (2013.01 - KR); **B65H 65/00** (2013.01 - EP); **B65H 67/048** (2013.01 - EP KR);  
**B65H 67/052** (2013.01 - CN); **B65H 67/081** (2013.01 - CN); **B65H 54/71** (2013.01 - KR); **B65H 2701/31** (2013.01 - CN EP KR)

Citation (applicant)  
JP H07268722 A 19951017 - MURATA MACHINERY LTD

Citation (search report)  
• [XY] EP 0703179 A2 19960327 - RIETER AG MASCHF [CH]  
• [Y] KR 100472688 B1 20050308  
• [X] WO 9426645 A1 19941124 - TORAY ENG CO LTD [JP], et al  
• [X] JP 2002284448 A 20021003 - TORAY INDUSTRIES  
• [X] JP 2010137987 A 20100624 - ILJIN A TECH CO LTD  
• [ID] JP H07268722 A 19951017 - MURATA MACHINERY LTD

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 4234467 A1 20230830**; CN 116654719 A 20230829; JP 2023125831 A 20230907; KR 20230128969 A 20230905

DOCDB simple family (application)  
**EP 23157361 A 20230217**; CN 202310142271 A 20230209; JP 2022030154 A 20220228; KR 20230015547 A 20230206