

Title (en)
YARN WINDING MACHINE AND SPINNING SYSTEM

Title (de)
GARNWICKELMASCHINE UND SPINNSYSTEM

Title (fr)
MACHINE DE BOBINAGE DE FIL ET SYSTÈME À FILER

Publication
EP 3919426 A1 20211208 (EN)

Application
EP 21175905 A 20210526

Priority
JP 2020098396 A 20200605

Abstract (en)
A yarn winding machine (1) winds yarn of a yarn feeding bobbin (B) transferred from a spinning frame (2) by a bobbin transfer device (3) to form a package (P), and includes a controller (17). When a partial defect has occurred in the yarn of the yarn feeding bobbin (B) in the spinning frame (2), the controller (17) acquires first yarn-defect information prepared by the spinning frame (2) about the occurrence of the partial defect. The controller (17) stops winding of the yarn from the yarn feeding bobbin (B) upon determining that the yarn has been unwound from the yarn feeding bobbin (B) up to a position corresponding to the partial defect of the first yarn-defect information, based on yarn information of the yarn wound from the yarn feeding bobbin (B) related to the first yarn-defect information acquired and the first yarn-defect information prepared by the spinning frame (2), when the first yarn-defect information of the yarn feeding bobbin (B) has been acquired.

IPC 8 full level
B65H 67/06 (2006.01); **B65H 63/00** (2006.01); **D01H 13/32** (2006.01)

CPC (source: CN EP)
B65H 54/44 (2013.01 - CN); **B65H 61/00** (2013.01 - CN); **B65H 63/00** (2013.01 - CN EP); **B65H 63/006** (2013.01 - CN);
B65H 67/063 (2013.01 - EP); **D01H 9/18** (2013.01 - EP); **D01H 13/14** (2013.01 - EP); **D01H 13/32** (2013.01 - EP); **B65H 2701/174** (2013.01 - CN);
B65H 2701/31 (2013.01 - EP); **D01H 1/02** (2013.01 - EP)

Citation (applicant)
WO 2018212293 A1 20181122 - MURATA MACHINERY LTD [JP]

Citation (search report)
• [A] WO 2019111090 A1 20190613 - RIETER AG MASCHF [CH]
• [A] EP 2455317 A1 20120523 - MURATA MACHINERY LTD [JP]
• [A] EP 3305953 A1 20180411 - MURATA MACHINERY LTD [JP]
• [A] EP 2455318 A1 20120523 - MURATA MACHINERY LTD [JP]
• [A] US 5287692 A 19940222 - MATSUBAYASHI JUNICHI [JP]

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3919426 A1 20211208; **EP 3919426 B1 20240410**; CN 113753667 A 20211207; JP 2021191704 A 20211216

DOCDB simple family (application)
EP 21175905 A 20210526; CN 202110424353 A 20210420; JP 2020098396 A 20200605