Title (en)
YARN WINDING MACHINE

Title (de)
GARNWICKELMASCHINE

Title (fr)
MACHINE DE BOBINAGE DE FIL

Publication
EP 4357285 A1 20240424 (EN)

Application
EP 23203981 A 20231017

Priority
JP 2022167897 A 20221019

Abstract (en)
A yarn winding machine (2) includes a feeding portion (6) that feeds yarn, a winding portion (8) that winds the yarn fed from the feeding portion (6) so as to form a package, a yarn storage device (40) that includes a storage roller (41) disposed in a yarn running path for the yarn to run between the feeding portion (6) and the winding portion (8), and rotates the storage roller (41) so as to temporarily store the yarn by winding the yarn sent out from the feeding portion (6) around a storing area (A) of an outer periphery surface of the storage roller (41), a detection device (50) that detects the yarn wound around the outer periphery surface of the storage roller (41), and a control portion (25) that controls rotation of the storage roller (41), and obtains detection data from the detection device (50) so as to determine whether or not a lap-wound part (F) is generated in the storing area (A).

IPC 8 full level
B65H 51/22 (2006.01); **B65H 63/04** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 63/04** (2013.01); B65H 2701/31 (2013.01)

Citation (applicant)
- JP 2016050053 A 20160411 - MURATA MACHINERY LTD
- JP 2017065896 A 20170406 - MURATA MACHINERY LTD
- JP S6036268 A 19850225 - VYZK USTAV BAVLNARSKY

Citation (search report)
- [XAI] US 3083924 A 19630402 - EDWARD VOSSEN, et al
- [XPA] EP 4215468 A1 20230726 - MURATA MACHINERY LTD [JP]
- [AD] JP 2016050053 A 20160411 - 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 4357285 A1 20240424; CN 117902388 A 20240419; JP 2024060493 A 20240502

DOCDB simple family (application)
EP 23203981 A 20231017; CN 202311356732 A 20231019; JP 2022167897 A 20221019