

Title (en)
YARN WINDING MACHINE

Title (de)
GARNWICKLUNGSMASCHINE

Title (fr)
MACHINE DE RENVIDAGE DE FIL

Publication
EP 2924154 A1 20150930 (EN)

Application
EP 15160642 A 20150324

Priority
JP 2014063253 A 20140326

Abstract (en)
A yarn winding machine 1 includes a yarn joining vehicle 3 adapted to perform yarn joining operation using suction airflow, a yarn waste accumulation box 45 adapted to collect yarn waste in the suction airflow, a lever 71 adapted to switch a mode of the yarn waste accumulation box 45 between a collection mode and a cleaning mode, a proximity sensor 73 adapted to detect a first movement of the lever 71 when the mode of the yarn waste accumulation box 45 is switched from the collection mode to the cleaning mode, and a machine control device 20 adapted to control the yarn joining vehicle 3 to stop the yarn joining operation when the first movement is detected by the proximity sensor 73 in a case where the yarn joining vehicle 3 is performing the yarn joining operation.

IPC 8 full level
D01H 11/00 (2006.01); **B65H 54/70** (2006.01); **B65H 67/08** (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP)
B65H 54/702 (2013.01); **B65H 67/081** (2013.01); **B65H 69/061** (2013.01); **D01H 11/005** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
JP 2001200432 A 20010727 - MURATA MACHINERY LTD

Citation (search report)

- [XDY] JP 2001200432 A 20010727 - MURATA MACHINERY LTD
- [Y] JP 2014009051 A 20140120 - MURATA MACHINERY LTD
- [A] EP 2573025 A2 20130327 - MURATA MACHINERY LTD [JP]
- [A] EP 2653423 A1 20131023 - SAVIO MACCHINE TESSILI SPA [IT]

Cited by
DE102018131571A1; CN108163639A; EP3363757A1; CN109295569A

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 2924154 A1 20150930; EP 2924154 B1 20170503; CN 104947255 A 20150930; CN 104947255 B 20181002; JP 2015183338 A 20151022

DOCDB simple family (application)
EP 15160642 A 20150324; CN 201510126567 A 20150323; JP 2014063253 A 20140326