

Title (en)
YARN WINDING MACHINE

Title (de)
GARNWICKLUNGSMASCHINE

Title (fr)
MACHINE DE RENVIDAGE DE FIL

Publication
EP 2924154 B1 20170503 (EN)

Application
EP 15160642 A 20150324

Priority
JP 2014063253 A 20140326

Abstract (en)
[origin: EP2924154A1] 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)

Cited by
CN108163639A; DE102018131571A1; EP3363757A1; CN109295569A

Designated contracting state (EPC)
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EP 2924154 A1 20150930; EP 2924154 B1 20170503; CN 104947255 A 20150930; CN 104947255 B 20181002; JP 2015183338 A 20151022

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EP 15160642 A 20150324; CN 201510126567 A 20150323; JP 2014063253 A 20140326