

Title (en)
Yarn winding unit and yarn winding machine

Title (de)
Garnwickel­einheit und Garnwickelmaschine

Title (fr)
Unité de bobinage de fil et machine de bobinage de fil

Publication
EP 2570375 B1 20170322 (EN)

Application
EP 12177666 A 20120724

Priority
JP 2011202122 A 20110915

Abstract (en)
[origin: EP2570375A2] A spinning machine (1) is a yarn winding unit including a frame (6), and a cradle device (100) including a cradle arm (71) adapted to rotatably hold a package (45) around which a spun yarn (10) is wound, an air cylinder (60, 160) adapted to drive the cradle arm (71), and an electromagnetic valve (63a, 64a, 68a) of a male connector section (103) adapted to control the air cylinder (60, 160), the cradle device (100) being a module provided detachably to the frame.

IPC 8 full level
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CPC (source: EP)
B65H 54/42 (2013.01); **B65H 54/52** (2013.01); **B65H 54/553** (2013.01); **B65H 54/72** (2013.01); **B65H 2701/31** (2013.01)

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EP2862825A1; EP2862826A1; CN107840199A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2570375 A2 20130320; EP 2570375 A3 20151125; EP 2570375 B1 20170322; CN 102995175 A 20130327; CN 102995175 B 20170616; IN 1696DE2012 A 20150925; JP 2013063809 A 20130411

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