

Title (en)  
YARN WINDING DEVICE

Title (de)  
GARNWICKLUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE BOBINAGE DE FIL

Publication  
**EP 3375743 A1 20180919 (EN)**

Application  
**EP 18169799 A 20170913**

Priority  
• JP 2016204098 A 20161018  
• EP 17190815 A 20170913

Abstract (en)  
A yarn winding device (2) that unwinds a yarn from a yarn supplying section (11) that supplies the yarn and winds the yarn on a winding tube (Bm) to form a package (100), the yarn winding device (2) comprising a braking device (91; 92; 93) including a braking member (75) that brakes rotation of the package (100); a chamber (76) that operates the braking member (75) by a fluid pressure inside thereof; a supply switching valve (87) arranged between the chamber (76) and a fluid supply port (84) connected to a fluid supply source; and a supply controlling section (88) that controls opening and closing of the supply switching valve (87), wherein the supply controlling section (88) causes the opening and closing of the supply switching valve (87) to be performed repeatedly alternately while changing at least one between an open duration and a closed duration of the supply switching valve (87) .

IPC 8 full level  
**B65H 54/74** (2006.01); **B65H 54/42** (2006.01); **B65H 54/553** (2006.01)

CPC (source: CN EP)  
**B65H 54/02** (2013.01 - CN); **B65H 54/42** (2013.01 - CN EP); **B65H 54/48** (2013.01 - CN); **B65H 54/553** (2013.01 - EP);  
**B65H 54/74** (2013.01 - EP); **B65H 2403/7252** (2013.01 - CN); **B65H 2406/40** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)  
• JP 2016078995 A 20160516 - MURATA MACHINERY LTD  
• JP 2010037083 A 20100218 - MURATA MACHINERY LTD  
• JP 2013253353 A 20131219 - MURATA MACHINERY LTD

Citation (search report)  
• [XDAY] JP 2010037083 A 20100218 - MURATA MACHINERY LTD  
• [YD] JP 2016078995 A 20160516 - MURATA MACHINERY LTD & EP 3009387 A1 20160420 - MURATA MACHINERY LTD [JP]  
• [Y] EP 2573024 A2 20130327 - MURATA MACHINERY LTD [JP]  
• [X] DE 102009004615 A1 20100722 - OERLIKON TEXTILE GMBH & CO KG [DE]  
• [A] EP 2161232 A2 20100310 - MURATA MACHINERY LTD [JP]  
• [A] DE 4300389 A1 19930722 - BARMAG BARMER MASCHF [DE]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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**EP 3312119 A1 20180425; EP 3312119 B1 20181024**; CN 107954259 A 20180424; CN 107954259 B 20210302; EP 3375743 A1 20180919;  
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DOCDB simple family (application)  
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