

Title (en)  
YARN WINDING MACHINE

Title (de)  
GARNWICKLUNGSMASCHINE

Title (fr)  
MACHINE DE RENVIDEUR DE FIL

Publication  
**EP 2960196 A1 20151230 (EN)**

Application  
**EP 15169260 A 20150526**

Priority  
JP 2014132544 A 20140627

Abstract (en)  
A winding unit (10) includes a cradle (23) adapted to hold a package (30), a contact roller (29) adapted to make contact with a surface of the package (30), an air cylinder (60) adapted to move the package (30) between a contacting position in which the package (30) makes contact with the contact roller (29) and a non-contacting position in which the package (30) is separated from the contact roller (29), and a package driving motor (41) adapted to rotatably drive the package (30). The package driving motor (41) carries out a forward rotation of rotating the package (30) in a winding direction for a set period  $\pm$  in a lift-up state in which the package (30) having a yarn end is separated from the contact roller (29) by the air cylinder (60).

IPC 8 full level  
**B65H 67/08** (2006.01)

CPC (source: EP)  
**B65H 67/085** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)  
JP 2012218922 A 20121112 - MURATA MACHINERY LTD

Citation (search report)  

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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)  
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DOCDB simple family (application)  
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