

Title (en)  
Yarn winding machine

Title (de)  
Garnwicklungsmaschine

Title (fr)  
Machine de renvideur de fil

Publication  
**EP 2848566 A1 20150318 (EN)**

Application  
**EP 14184736 A 20140915**

Priority  
JP 2013192171 A 20130917

Abstract (en)  
The spinning machine (10) includes at least two spinning units (1) arranged adjacent to each other along a predetermined direction (D) and that form a package by winding a yarn; and at least one yarn joining device (90) that performs yarn joining in each of the spinning units (1). A width of the yarn joining device (90) in the predetermined direction (D) is equal to or less than a width of each of the spinning units (1) in the predetermined direction (D). Most Illustrative Drawing: FIG. 2

IPC 8 full level  
**B65H 54/26** (2006.01); **B65H 69/06** (2006.01); **D01H 15/013** (2006.01)

CPC (source: CN EP)  
**B65H 54/26** (2013.01 - EP); **B65H 69/061** (2013.01 - EP); **D01H 15/00** (2013.01 - CN); **D01H 15/013** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)  
JP 2005330596 A 20051202 - MURATA MACHINERY LTD

Citation (search report)  

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Citation (examination)  

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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)  
**EP 2848566 A1 20150318**; CN 104451992 A 20150325; JP 2015059278 A 20150330

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**EP 14184736 A 20140915**; CN 201410471238 A 20140916; JP 2013192171 A 20130917