

Title (en)  
YARN WINDING EQUIPMENT

Title (de)  
GARNWICKELVORRICHTUNG

Title (fr)  
ÉQUIPEMENT DE BOBINAGE DE FIL

Publication  
**EP 3636569 A1 20200415 (EN)**

Application  
**EP 19201649 A 20191007**

Priority  
JP 2018192293 A 20181011

Abstract (en)  
A bobbin processing device (3) for a yarn winding system configured to receive bobbins from and transfer bobbins to a spinning machine (2) and/or a winding machine (4), comprises a transportation path (10) along which the bobbins can move through the bobbin processing device, optionally on a bobbin transport tray (T) a removing section (42) configured to remove a bobbin (B) from the transportation path, optionally from the bobbin transport tray; and a bobbin processing control section (11) that is configured to control the removing section to remove a bobbin from the transportation path in dependence on at least one of quality information linked to the bobbin, yarn amount information linked to the bobbin and status information linked to the bobbin. Further described is a yarn winding/processing system optionally with the bobbin processing device and a bobbin processing method optionally using the bobbin processing device.

IPC 8 full level  
**B65H 67/06** (2006.01)

CPC (source: CN EP)  
**B65H 54/22** (2013.01 - CN); **B65H 54/70** (2013.01 - CN); **B65H 67/063** (2013.01 - EP); **B65H 67/064** (2013.01 - CN); **B65H 67/069** (2013.01 - EP); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)  
• JP 2011020837 A 20110203 - MURATA MACHINERY LTD  
• JP 2016102004 A 20160602 - MURATA MACHINERY LTD

Citation (search report)  
• [XA] EP 3385206 A1 20181010 - MURATA MACHINERY LTD [JP]  
• [X] US 4660370 A 19870428 - MATSUI ISAMU [JP], et al  
• [X] EP 2671833 A2 20131211 - MURATA MACHINERY LTD [JP]  
• [X] US 5279729 A 19940118 - TONE SHOICHI [JP], et al  
• [X] US 6349530 B1 20020226 - STAHLLECKER FRITZ [DE]  
• [X] US 5289983 A 19940301 - UEDA YUTAKA [JP], et al  
• [X] EP 2455317 A1 20120523 - MURATA MACHINERY LTD [JP] & JP 2011020837 A 20110203 - MURATA MACHINERY LTD

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CN112938647A; CN113800328A

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 3636569 A1 20200415**; **EP 3636569 B1 20220622**; CN 111039075 A 20200421; CN 111039075 B 20220902; JP 2020059584 A 20200416

DOCDB simple family (application)  
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