

Title (en)  
Doffing apparatus and textile machine

Title (de)  
Abziehvorrichtung und Textilmaschine

Title (fr)  
Machine de dégarnissage et machine textile

Publication  
**EP 2573233 A2 20130327 (EN)**

Application  
**EP 12182980 A 20120904**

Priority  
JP 2011204704 A 20110920

Abstract (en)  
A doffing apparatus (6) includes a chuck (66) that supplies a winding tube (9) to a winding-tube support member (21) of a winding unit (2), a restricting lever (71) that comes into contact with a first-side end portion (9a) of the winding tube (9) to restrict a position of the first-side end portion (9a), and a pressing lever (72) that comes into contact with a second-side end portion (9b) of the winding tube (9) restricted by the restricting lever (71) and presses the second-side end portion (9b) against the restricting lever (71). The winding tube (9) held by the chuck (66) is positioned by the restricting lever (71) and the pressing lever (72).

IPC 8 full level  
**D01H 9/02** (2006.01); **B65H 67/06** (2006.01)

CPC (source: EP)  
**B65H 54/26** (2013.01); **B65H 67/0417** (2013.01); **B65H 67/068** (2013.01); **D01H 9/02** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)  
JP 2008162712 A 20080717 - MURATA MACHINERY LTD

Cited by  
CN105540344A; EP3312116A1; DE102015205181B4; WO2019008421A1; WO2020130962A1

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 2573233 A2 20130327**; **EP 2573233 A3 20161116**; CN 103010844 A 20130403; CN 103010844 B 20160928; JP 2013063841 A 20130411

DOCDB simple family (application)  
**EP 12182980 A 20120904**; CN 201210245419 A 20120711; JP 2011204704 A 20110920