

Title (en)
YARN WINDING APPARATUS

Title (de)
GARNWICKLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE BOBINAGE DE FIL

Publication
EP 3263500 A1 20180103 (EN)

Application
EP 17176827 A 20170620

Priority
JP 2016126467 A 20160627

Abstract (en)
An influence of static electricity generated by friction between a rotating body and a package is restrained in a yarn winding apparatus including the rotating body which rotates while being in contact with the outer circumferential surface of the package. A yarn winding apparatus forming a package by winding a yarn onto a bobbin includes a rotating body 18 configured to rotate while being in contact with the outer circumferential surface of the package and an antistatic unit 40 configured to remove static electricity from the rotating body 18.

IPC 8 full level
B65H 54/46 (2006.01); **B65H 54/72** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP)
B65H 54/46 (2013.01); **B65H 54/72** (2013.01); **B65H 67/048** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP 2013213307 A 20131017 - TMT MACHINERY INC
• JP 2014015334 A 20140130 - TMT MACHINERY INC

Citation (search report)
• [X] US 2781177 A 19570212 - PETERSEN SVEND A
• [XAI] DE 102012104249 A1 20131121 - FREUDENBERG CARL KG [DE], et al
• [X] DE 102006053046 A1 20080515 - OERLIKON TEXTILE GMBH & CO KG [DE]

Cited by
EP4332034A1

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 3263500 A1 20180103; **EP 3263500 B1 20200617**; CN 107539829 A 20180105; CN 107539829 B 20210326; JP 2018002321 A 20180111; JP 6770836 B2 20201021

DOCDB simple family (application)
EP 17176827 A 20170620; CN 201710426334 A 20170608; JP 2016126467 A 20160627