Title (en)

THREAD WINDING DEVICE

Title (de)

VORRICHTUNG ZUM AUFSPULEN EINES FADENS

Title (fr)

DISPOSITIF D'ENROULEMENT DE FIL

Publication

EP 3689803 B1 20230222 (EN)

Application

EP 18863777 A 20180903

Priority

- JP 2017186609 A 20170927
- JP 2018032615 W 20180903

Abstract (en)

[origin: EP3689803A1] A yarn winding device configured to wind yarn onto a cone-shaped winding bobbin to form a cone-shaped package, the yarn winding device includes:a cradle configured to rotatably support the winding bobbin;a drive motor attached to the cradle and configured to rotate the winding bobbin;a traverse device configured to traverse the yarn;a package-peripheral-speed acquisition section configured to acquire, as a first peripheral speed, a peripheral speed of the winding bobbin;a touch roller configured to be rotated by rotation of the winding bobbin;a roller-peripheral-speed calculation section configured to calculate, as a second peripheral speed, a peripheral speed of the touch roller; anda contact-state determination section configured to compare the first peripheral speed acquired by the package-peripheral-speed acquisition section and the second peripheral speed calculated by the roller-peripheral-speed calculation section, thereby determining a contact state of the bobbin that is in contact with the touch roller.

IPC 8 full level

B65H 54/02 (2006.01); **B65H 54/10** (2006.01); **B65H 54/44** (2006.01); **B65H 63/00** (2006.01)

CPC (source: EP)

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DOCDB simple family (publication)

EP 3689803 A1 20200805; **EP 3689803 A4 20210526**; **EP 3689803 B1 20230222**; CN 111132918 A 20200508; CN 111132918 B 20210910; JP 2019059601 A 20190418; WO 2019065106 A1 20190404

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