

Title (en)
YARN WINDING UNIT

Title (de)
GARNWICKELEINHEIT

Title (fr)
UNITÉ DE BOBINAGE DE FIL

Publication
EP 3670410 B1 20230607 (EN)

Application
EP 18846507 A 20180711

Priority
• JP 2017156996 A 20170816
• JP 2018026208 W 20180711

Abstract (en)
[origin: EP3670410A1] A winder unit comprises a winding section, a package driving motor, an upper yarn catching pipe, and a unit controller. The winding section winds a yarn to form a package. The package driving motor rotates the package reversibly in the rotation direction. The upper yarn catching pipe catches a yarn from the package rotated by the driving section in a reverse direction opposite to a yarn winding direction. The unit controller controls a rotation direction of the package and starting/stopping of rotation of the package. The unit controller changes a timing of issuing at least either a reverse rotation stop command or a reverse rotation speed reduction command issued to the driving section in correspondence to rotational inertia of the package. The reverse rotation stop command is defined as a command issued to the driving section to stop a reverse rotation of the package which is the rotation of the package in the reverse direction, and the reverse rotation speed reduction command is defined as a command issued to the driving section to reduce the reverse rotation speed of the package for the purpose of stopping the reverse rotation of the package.

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B65H 67/08 (2006.01)

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