

Title (en)

YARN WINDING MACHINE, YARN WINDING METHOD, AND YARN STORAGE CONTROL PROGRAM

Title (de)

GARNWICKELMASCHINE, GARNWICKELVERFAHREN UND GARNSPEICHERSTEUERUNGSPROGRAMM

Title (fr)

MACHINE D'ENROULEMENT DE FIL, PROCÉDÉ D'ENROULEMENT DE FIL ET PROGRAMME DE COMMANDE DE STOCKAGE DE FILS

Publication

EP 3498641 B1 20201021 (EN)

Application

EP 18209832 A 20181203

Priority

JP 2017238049 A 20171212

Abstract (en)

[origin: EP3498641A1] A yarn winding machine (1) includes : an air spinning device (4); a winding device (20); a yarn storage device (6); a drive part (28); and a control part (90) repeatedly performing acceleration control and deceleration control, the acceleration control being increasing rotation speed of the drive part (28) to a range upper-limit speed (V5) equal to or higher than a storage-amount decreasing speed (V1), the deceleration control being reducing the rotation speed of the drive part (28) to a range lower-limit speed (V4) equal to or lower than a storage-amount increasing speed (V3). The control part performs storage-amount decreasing control of increasing the rotation speed of the drive part (28) to a first set speed (V2) that is higher than the range upper-limit speed (V5) after winding for the package (P) is started.

IPC 8 full level

B65H 51/22 (2006.01); **B65H 59/38** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 59/385** (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN111485303A; US11377761B2; CN113684594A

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EP 3498641 A1 20190619; **EP 3498641 B1 20201021**; CN 109911694 A 20190621; CN 109911694 B 20211130; JP 2019104596 A 20190627

DOCDB simple family (application)

EP 18209832 A 20181203; CN 201811485445 A 20181206; JP 2017238049 A 20171212