

Title (en)

ACCUMULATION YARN FEEDER WITH WEFT BRAKING DEVICE CONTROLLED BY FEEDBACK

Title (de)

GARNZUFÜHRER MIT DURCH RÜCKMELDUNG KONTROLLIERTER SCHUSSFADENBREMSVORRICHTUNG

Title (fr)

DISPOSITIF D'ALIMENTATION DE FIL AVEC DISPOSITIF DE FREINAGE DE TRAME COMMANDÉ PAR RÉTROACTION

Publication

EP 3521493 B1 20201216 (EN)

Application

EP 19154407 A 20190130

Priority

IT 201800002247 A 20180131

Abstract (en)

[origin: EP3521493A1] A drum (12) supporting a yarn (Y) wound upon itself, which is adapted to be unwound upon request from a downstream textile machine. A passive weft braking device (18) and an active weft braking device (36) brake the yarn (Y). A tension sensor (66) downstream of the active weft braking device (36) measures the tension of the yarn (Y) and sends a corresponding signal to a control unit (CU), which drives by feedback the active weft braking device (36). The latter comprises at least one first weft braking lamina (44a, 44b), which is pushed against an abutment (46a, 46b) by motor means (48) connected to the control unit (CU), with the interposition of transmission means (40a, 40b, 42a, 42b, 52). The yarn (Y) slides between the weft braking lamina (44a, 44b) and the abutment (46a, 46b).

IPC 8 full level

D03D 47/34 (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)

D03D 47/347 (2013.01); **D03D 47/361** (2013.01); **D03D 47/364** (2013.01)

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

DOCDB simple family (publication)

EP 3521493 A1 20190807; **EP 3521493 B1 20201216**; IT 201800002247 A1 20190731

DOCDB simple family (application)

EP 19154407 A 20190130; IT 201800002247 A 20180131