

Title (en)
REEL CARRIER FOR A BRAIDING, WINDING OR SPIRALLING MACHINE

Title (de)
SPULENTRÄGER FÜR EINE FLECHT-, WICKEL- ODER SPIRALISIERMASCHINE

Title (fr)
SUPPORT DE BOBINE POUR MACHINE À TRESSER, À ENROULER OU À SPIRALISER

Publication
EP 3198068 B1 20200226 (DE)

Application
EP 15766089 A 20150910

Priority
• DE 102014014149 A 20140922
• EP 2015070748 W 20150910

Abstract (en)
[origin: WO2016045987A1] The invention relates to a reel carrier 7 for receiving a reel 2 which is set up for unwinding a strand material 1, wherein the reel carrier 7 is provided for use in a braiding, winding or spiralling machine and is set up to rotate relative to the machine during operation of the latter. The reel carrier 7 has a tensile-force measuring device 3 for measuring the tensile force of the strand material 1 unwound from the reel 2 and has a first data transfer device 4 for transferring data. According to the invention, the first data transfer device 4 is set up to transfer measured tensile force values to a second data transfer device 5 arranged outside the reel carrier. As a result, too low or too high tensile forces in the strand material 1 can be detected early at the individual reel carriers 7. The tensile force can be kept largely constant by the transfer of setpoint tensile force values from the second data transfer device 5 to the first data transfer device 4 and by a suitable control or regulation device 8 at the reel carrier 7.

IPC 8 full level
D04C 3/14 (2006.01); **B65H 59/38** (2006.01); **B65H 63/02** (2006.01); **D04C 3/48** (2006.01)

CPC (source: CN EP RU US)
B65H 59/38 (2013.01 - CN EP US); **B65H 63/02** (2013.01 - CN EP US); **D04C 3/14** (2013.01 - CN EP RU US); **D04C 3/38** (2013.01 - US); **D04C 3/48** (2013.01 - CN EP US); **B65H 2701/36** (2013.01 - CN EP US); **D07B 7/02** (2013.01 - EP)

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)
DE 102014014149 A1 20160324; BR 112017003811 A2 20171205; BR 112017003811 B1 20220111; CN 106470926 A 20170301; CN 106470926 B 20190419; EP 3198068 A1 20170802; EP 3198068 B1 20200226; ES 2783982 T3 20200921; HU E048928 T2 20200928; JP 2017537039 A 20171214; JP 6594965 B2 20191023; MX 2017003514 A 20170728; PL 3198068 T3 20200629; RU 2664205 C1 20180815; US 10612171 B2 20200407; US 2017298546 A1 20171019; WO 2016045987 A1 20160331

DOCDB simple family (application)
DE 102014014149 A 20140922; BR 112017003811 A 20150910; CN 201580037529 A 20150910; EP 15766089 A 20150910; EP 2015070748 W 20150910; ES 15766089 T 20150910; HU E15766089 A 20150910; JP 2017515729 A 20150910; MX 2017003514 A 20150910; PL 15766089 T 20150910; RU 2017107432 A 20150910; US 201515512887 A 20150910