Title (en)
METHOD FOR WINDING OF A COILED ITEM AND COILING MACHINE

Title (de)
VERFAHREN ZUM WICKELN EINES WICKELGUTES UND WICKELMASCHINE

Title (fr)
PROCÉDÉ D'ENROULEMENT D'UN MATÉRIAU D'ENROULEMENT ET MACHINE À ENROULER

Publication
EP 3333106 C0 20240522 (DE)

Application
EP 16203431 A 20161212

Priority
EP 16203431 A 20161212

Abstract (en)
[origin: US2018162682A1] A coiled product, a control installation, computer software product, a coiling machine and method for coiling a coiled product, wherein the coiling tension is settable to an envisaged coiling tension, particularly to a constant coiling tension via either a setting unit and/ or a change in the respective rotational speed of either a coil body and/or a supply roll, a characterizing aspect being the equalization of the free length of the coiled product, where the free length is the spacing of the first bearing point of the coiled product on the coil body from the second bearing point of the coiled product on a deflection roller such that the free length change is equalized by the setting unit and/or by a variation of the respective rotational speed so that coiling tension of a product coiled onto the coil body can be set in a simple, rapid, and precise manner.

IPC 8 full level
B65H 54/10 (2006.01); **B65H 59/38** (2006.01); **H01F 41/094** (2016.01)

CPC (source: CN EP US)
B65H 20/34 (2013.01 - CN); **B65H 23/185** (2013.01 - CN); **B65H 23/26** (2013.01 - CN); **B65H 26/04** (2013.01 - CN); **B65H 54/10** (2013.01 - EP US); **B65H 59/04** (2013.01 - US); **B65H 59/384** (2013.01 - EP US); **B65H 59/385** (2013.01 - US); B65H 2701/36 (2013.01 - EP US); B65H 2701/37 (2013.01 - EP US); H01F 41/094 (2016.01 - EP US)

Cited by
EP3798165A1; US11155434B2; US2021090821A1; CN112623837A; US11651908B2; EP3569537B1; EP3569537A1

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 3333106 A1 20180613; **EP 3333106 B1 20240522**; **EP 3333106 C0 20240522**; CN 108217269 A 20180629; CN 108217269 B 20200814; US 10858215 B2 20201208; US 2018162682 A1 20180614

DOCDB simple family (application)
EP 16203431 A 20161212; CN 201711292046 A 20171207; US 201715838584 A 20171212