

Title (en)
UNWINDING APPARATUS FOR A SELF-PROPELLED WRAPPING MACHINE

Title (de)
ABWICKELVORRICHTUNG FÜR EINE SELBSTANGETRIEBENE VERPACKUNGSMASCHINE

Title (fr)
APPAREIL DE DÉVIDAGE DESTINÉ À UNE MACHINE D'EMBALLAGE AUTOMOTRICE

Publication
EP 3070003 B1 20171025 (EN)

Application
EP 16160729 A 20160316

Priority
IT UB20150357 A 20150317

Abstract (en)
[origin: EP3070003A1] An unwinding apparatus for a self-propelled wrapping machine (100) mobile around a load for wrapping the latter with a plastic material film (50), comprises frame means (2) for supporting a reel (60) of film (50); roller means (11, 12, 13, 14, 15) for unwinding and pre-stretching the film (50); at least one folding element (3) mobile along a narrowing trajectory (R) for abutting a first longitudinal edge (50a) of the film (50) and pushing the latter towards a second longitudinal edge (50b) of the film (50) so as to reduce a strip width (L) of film (50) exiting the apparatus (1); driving means (10) for moving the folding element (3) and comprising moving means (4; 104) supporting the folding element (3) and mobile along the narrowing trajectory (R); electric actuator means (5) connected to, and driving, the moving means (4; 104); a control unit (20) connected to the driving means (10) for adjusting a displacement and/or a moving direction of the moving means (4; 104); the wrapping apparatus (1) also comprises first sensor means (30; 130) coupled to the moving means (4; 104) for continuously detecting and measuring at least a displacement of the moving means and sending a related signal to the control unit (20) so as to control and adjust during wrapping the load a position of folding element (3) along the narrowing trajectory (R) and thus the strip width (L) of film (50).

IPC 8 full level
B65B 11/00 (2006.01); **B65B 11/02** (2006.01)

CPC (source: EP)
B65B 11/006 (2013.01); **B65B 11/025** (2013.01); **B65B 57/00** (2013.01); **B65B 2011/002** (2013.01)

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IT201800005700A1; IT201800007119A1; CN112533831A; CN111137488A; IT201800010079A1; IT202100019820A1; US11767136B1; CN108609214A; IT201700046194A1; US2022348373A1; US11661226B2; IT201800005787A1; CN112236365A; IT202100019655A1; US11377240B2; US11780628B1; WO2020165721A1; WO2020095338A1; US11970296B2; US11801953B2; US11958642B1; US11912452B1; WO2023007353A1; WO2019229608A1; WO2020012327A1; WO2024003852A1; WO2023002408A1

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 3070003 A1 20160921; EP 3070003 B1 20171025; ES 2656837 T3 20180228

DOCDB simple family (application)
EP 16160729 A 20160316; ES 16160729 T 20160316