

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

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