

Title (en)

ROTATABLE FILM WRAPPING APPARATUS AND PROCESS FOR UNITIZING A LOAD WITH A COMPRESSIVE OVERWRAP

Publication

EP 0152960 B1 19890628 (EN)

Application

EP 85101960 A 19850222

Priority

US 58279784 A 19840223

Abstract (en)

[origin: EP0152960A2] A rotatable film wrapping apparatus (30) for wrapping a load (24) having a film web pre-stretch mechanism (70) which dispenses film at a varying speed controlled independently of variations in film tension and speed between the pre-stretch mechanism (70) and the load (24), and a supply speed control mechanism (90) which varies the supply speed of web from the pre-stretch mechanism (70). The supply speed control mechanism (90) is configured as a predetermined model of the load (24) to minimize variation in film elongation and containment as successive load edges intercept film web during wrapping. A power pulley or roller engages the supply speed control mechanism (90) to accelerate and decelerate the pre-stretch mechanism to overcome rotational inertia of the film roll (56) and prestretch mechanism (70). Tension reductions in the web (58) caused by holes at web imperfections do not slow or stop the prestretch mechanism (70).

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IPC 8 full level

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CPC (source: EP)

B65B 11/008 (2013.01)

Citation (examination)

US 4317322 A 19820302 - LANCASTER PATRICK R, et al

Cited by

EP0433718A1; US11019772B2; EP0234417A1; CN114194442A; CN111252309A; EP0865402A4; EP1029787A1; CN106697366A; WO2008129432A1; WO9307059A1

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