

Title (en)

Apparatus for packing goods or packages

Title (de)

Vorrichtung zum Verpacken von Gütern oder Verpackungen

Title (fr)

Appareil permettant d'emballer des produits ou des emballages

Publication

**EP 2995565 A1 20160316 (EN)**

Application

**EP 14184243 A 20140910**

Priority

EP 14184243 A 20140910

Abstract (en)

An apparatus for packing goods or packages positioned on or piled on a support, such as a pallet, by drawing a slightly deformed hood of a reformable foil material on to the goods or packages and allowing the slightly deformed hood to reform into or towards its original shape and in doing so, fixating the goods or packages relative to the support and relative to one another. The apparatus comprises a frame or rack defining sets of vertical stands or legs and a top part, a supply of the reformable foil material including a first motor, a film feed, film welding and film cutting assembly for receiving the collapsed hose, a vertically movable film stretching frame which is vertically movable relative to the film feed, film welding and film cutting assembly driven by a second motor and a power supply including a rectifying unit connected to the main supply and including a capacitor bank and a first and a second thyristor controller connected to the capacitor bank and to the first and second motor, respectively. The first and second motors are thyristor controlled DC, or AC single or three phase motors. The apparatus further comprises a central controlling computer connected to the rectifying unit and to the first and second thyristor controllers for controlling the operation of the apparatus and in doing so, operating the first and second thyristor controllers in two alternative operational modes, a first operational mode, in which the thyristor controller in question receives DC power from the capacitor bank for the supply of electrical power to the motor in question, or in the alternative, a second operational mode, in which the thyristor controller in question, while its motor is performing a braking operation and generates electrical power, supplies the electrical power from the electric motor in question to the capacitor bank.

IPC 8 full level

**B65B 57/00** (2006.01); **B65B 9/13** (2006.01); **B65B 59/04** (2006.01)

CPC (source: EP)

**B65B 9/135** (2013.01); **B65B 57/00** (2013.01); **B65B 59/04** (2013.01)

Citation (applicant)

- EP 1060988 A1 20001220 - THIMON SA [FR]
- EP 2069206 A1 20090617 - LACHENMEIER AS [DK]
- EP 2336034 A1 20110622 - MSK VERPACKUNG SYST GMBH [DE]

Citation (search report)

- [I] EP 2767479 A1 20140820 - ERIN INTELLECTUAL PROPERTY LTD [IE]
- [Y] GB 2176632 A 19861231 - NAGEMA VEB K
- [Y] GB 1594939 A 19810805 - EUROPACK ENG CO LTD
- [Y] GB 2063812 A 19810610 - BACOFIL LTD

Cited by

ES2815298A1; WO2021058850A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2995565 A1 20160316**

DOCDB simple family (application)

**EP 14184243 A 20140910**