

Title (en)

Apparatus for placing a covering sheet over the top of palletized loads during wrapping with stretch film

Title (de)

Vorrichtung für die Platzierung eines Deckblattes über die Oberseite von palettierten Lasten während der Verpackung mit Dehnfolie

Title (fr)

Dispositif pour placer une feuille protectrice au-dessus du dessus des charges palettisées pendant l'emballage avec film étirable

Publication

**EP 1717149 A1 20061102 (EN)**

Application

**EP 06112529 A 20060412**

Priority

IT BO20050269 A 20050421

Abstract (en)

The apparatus for automatically placing a covering sheet over the top of a load, usually palletized, during wrapping with stretch film, comprises a dispensing gripper (4) which retains the front end of a film unwound from a parallel reel (3) supported rotatably by special means (2) and which leaves, free, portions of the said front end of the film, which are gripped in phase synchronism by the hands (11, 111) of a pivoting-arm manipulator (14, 114) which, in synchronism with temporary opening of the said gripper, is actuated so as to extract from the latter a section of film with the length necessary for forming the said sheet for covering the load. The sheet is retained at the tail end by the same gripper when actuated so as to close and is then separated from the film downstream by the intervention of transverse cutting means (9). Means are provided for subsequently causing the said manipulator to pivot about its own fulcrum so as to deposit the sheet of film (103) with sufficient centering, over the top of the load (C) to be wrapped which is temporarily stationary, following which the said manipulator abandons the sheet and returns, with a pivoting movement in the opposite direction to the previous pivoting movement, into the position useful for repetition of a new working cycle.

IPC 8 full level

**B65B 11/04** (2006.01); **B65B 41/14** (2006.01)

CPC (source: EP)

**B65B 11/045** (2013.01); **B65B 41/14** (2013.01)

Citation (search report)

- [A] EP 0336517 A1 19891011 - HALOILA M OY AB [FI]
- [A] US 6164047 A 20001226 - ROSSI BRUNO [IT]
- [A] EP 1426296 A1 20040609 - PIERI SRL [IT]
- [A] WO 0236433 A1 20020510 - LANTECH MAN CORP AND LANTECH H [US]

Cited by

IT202100017840A1; CN111806780A; IT201800002957A1; IT201600130407A1; CN109264061A; FR3075181A1; CN102729283A; EP2923956A1; IT201900003057A1; US11338946B2; US8096338B2; WO2019121571A1; WO2023031849A1; WO2019162751A1; WO2018116246A1; US7707801B2; US8141327B2; US9187193B2; US10005581B2; US11111046B2; US11174056B2; US11479378B2; US9290282B2; US9908648B2; US10173795B2; US7568327B2; US11472580B2; US9776748B2; US10239645B2; US10717554B2; US11407538B2; US11518558B2; US11912445B2; US7779607B2; US8037660B2; US8276346B2; US8276354B2; US9725195B2; US9932137B2; US11208225B2; US10227152B2; US11597554B2; US11667416B2; US11685567B2; US10005580B2; US10053253B2; US10435191B2; US10926906B2; US10934034B2; US11034470B2; US11104464B2; US11111045B2; US11505343B2; US11518557B2; US11731793B2; US11858669B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1717149 A1 20061102**; IT BO20050269 A1 20061022

DOCDB simple family (application)

**EP 06112529 A 20060412**; IT BO20050269 A 20050421