

Title (en)

Handle applicator

Title (de)

Vorrichtung zum Anbringen eines Tragegriffs

Title (fr)

Dispositif de pose sur un fardeau d'une poignée préparée

Publication

EP 1577219 B1 20110302 (FR)

Application

EP 05356046 A 20050315

Priority

FR 0402648 A 20040315

Abstract (en)

[origin: EP1577219A1] The device has a cell (15) to detect shift of a position of a handle (n+i) located in upstream of a handle (n) during installation, with respect to a theoretical position of the handle (n+i) related to multiple nominal lengths. An extension unit extends length of a rotary arm (18) beyond the nominal length for drawing a portion of an adhesive ribbon (7) to a length greater than the nominal length, during rotation of the arm. The shift of position of the handle (n+i) is due to extension of the handle (n) beyond the nominal length. An independent claim is also included for a method to install a carrying handle on a load such as pack of multiple water bottles, displaced on a belt conveyor.

IPC 8 full level

B65B 61/14 (2006.01); **B31B 50/86** (2017.01); **B65B 41/18** (2006.01)

CPC (source: EP US)

B65B 41/18 (2013.01 - EP US); **B65B 61/14** (2013.01 - EP US); **Y10S 493/909** (2013.01 - EP US); **Y10S 493/926** (2013.01 - EP US)

Cited by

FR3024976A1; CN105711908A; NL2002381C2; US11577873B2; WO2020020538A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1577219 A1 20050921; **EP 1577219 B1 20110302**; AT E500143 T1 20110315; DE 602005026599 D1 20110414; FR 2867453 A1 20050916; FR 2867453 B1 20060512; US 2005274087 A1 20051215; US 7191576 B2 20070320

DOCDB simple family (application)

EP 05356046 A 20050315; AT 05356046 T 20050315; DE 602005026599 T 20050315; FR 0402648 A 20040315; US 7917605 A 20050315