

Title (en)

MANUALLY CONTROLLED HANDLING MACHINE FOR FILLING OR EMPTYING TRANSPORT CASES OF ARRANGED ARTICLES

Publication

EP 0039296 B1 19840718 (FR)

Application

EP 81400676 A 19810429

Priority

FR 8009804 A 19800430

Abstract (en)

[origin: ES8203061A1] Manually controlled handling machine for filling or emptying cases for transporting stowed articles, including a carriage (7), displaceable between a station for supplying bottles lying head to tail and a station for loading containers, bearing a tackle-block (16), and a centering frame (17) adapted to cooperate with a plate (24) equipped with gripping suction cups (25). Carriage (7) rolls on a runway (1) which is curved in a semi-circle above the containers in order to allow the loading of one half and the other half of the containers, and an orientable guiding member (28) enables the position of the plate (24) during its rising and descending movements to be corrected.

IPC 1-7

B65B 21/18

IPC 8 full level

B65B 21/02 (2006.01); **B65B 21/18** (2006.01)

CPC (source: EP US)

B65B 21/025 (2013.01 - EP US); **B65B 35/38** (2013.01 - EP US)

Cited by

FR2612880A1; FR2613337A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0039296 A1 19811104; **EP 0039296 B1 19840718**; AT E8480 T1 19840815; DE 3164859 D1 19840823; ES 501749 A0 19820216; ES 8203061 A1 19820216; FR 2481685 A1 19811106; FR 2481685 B1 19850315; US 4402173 A 19830906

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EP 81400676 A 19810429; AT 81400676 T 19810429; DE 3164859 T 19810429; ES 501749 A 19810429; FR 8009804 A 19800430; US 25758481 A 19810427