

Title (en)

Multi-row sealing station, corresponding packaging machine and method

Title (de)

Mehrreihige Siegelstation, entsprechende Verpackungsmaschine und entsprechendes Verfahren

Title (fr)

Poste de scellage multirangées, machine à emballer et méthode correspondante

Publication

**EP 2644517 B1 20150923 (DE)**

Application

**EP 13001588 A 20130327**

Priority

DE 102012006699 A 20120330

Abstract (en)

[origin: EP2644517A2] The station (1) has a sealing tool (6) including a tool upper part (7) and a tool lower part (8), which accommodates packaging trays (3) in two rows (14, 15). The lower part includes a lowerable supporting disk (16) for lowering one of the rows of trays. A bar chain (12) conveys the trays into and out of the tool. An electrically or pneumatically operable actuator (17) lowers the disk. The disk is lowered from a plane, in which the trays are conveyed into the tool, to another plane extending on a lower level. The lower part is additionally provided with a stationary supporting disk (18). An independent claim is also included for a method for operating a sealing station.

IPC 8 full level

**B65B 31/02** (2006.01); **B65B 7/16** (2006.01); **B65B 43/42** (2006.01); **B65B 57/02** (2006.01); **B65B 65/02** (2006.01)

CPC (source: EP US)

**B65B 7/162** (2013.01 - US); **B65B 7/164** (2013.01 - EP US); **B65B 31/028** (2013.01 - EP US); **B65B 43/42** (2013.01 - EP US); **B65B 57/02** (2013.01 - EP US); **B65B 65/02** (2013.01 - EP US)

Cited by

EP2977325A1; WO2023084186A1

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

DOCDB simple family (publication)

**EP 2644517 A2 20131002**; **EP 2644517 A3 20131106**; **EP 2644517 B1 20150923**; CN 103359305 A 20131023; CN 103359305 B 20151028; DE 102012006699 A1 20131002; ES 2551430 T3 20151119; US 2013255200 A1 20131003

DOCDB simple family (application)

**EP 13001588 A 20130327**; CN 201310108820 A 20130329; DE 102012006699 A 20120330; ES 13001588 T 20130327; US 201313852922 A 20130328