

Title (en)
CLEANING DEVICE AND CLEANING METHOD

Title (de)
REINIGUNGSVORRICHTUNG UND VERFAHREN ZUM REINIGEN

Title (fr)
DISPOSITIF DE NETTOYAGE ET PROCÉDÉ DE NETTOYAGE

Publication
EP 4149847 A1 20230322 (DE)

Application
EP 21729808 A 20210511

Priority
• DE 102020112995 A 20200513
• EP 2021062432 W 20210511

Abstract (en)
[origin: CA3183113A1] The invention relates to a packing machine (1) having a cleaning device (50), and to a cleaning device (50) for cleaning a work portion when filling bulk materials into containers, comprising a blowing strip (51) with a first nozzle unit (52) and a second nozzle unit (53), through which an airflow can be conducted from time to time. The first and the second nozzle unit (52, 53) each have a fixed outlet direction (55, 56), the outlet directions (55, 56) of the first nozzle unit (52) and of the second nozzle unit (53) being different from one another. A control unit (58) is also provided, which is suitable and designed for controlling the first nozzle unit (52) and the second nozzle unit (53) temporarily in a temporally staggered manner. In the method for cleaning a work portion using a cleaning device (50) of this kind, the control device (58) controls the first nozzle unit (52) and the second nozzle unit (53) in a temporally staggered manner.

IPC 8 full level
B65B 55/24 (2006.01); **B65B 1/02** (2006.01); **B65B 1/28** (2006.01); **B65B 31/02** (2006.01); **B65B 37/02** (2006.01); **B65B 39/06** (2006.01); **B65B 43/16** (2006.01); **B65B 43/46** (2006.01); **B65B 51/10** (2006.01); **B65B 59/04** (2006.01); **B65B 65/00** (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP US)
B65B 1/02 (2013.01 - EP); **B65B 1/06** (2013.01 - US); **B65B 1/28** (2013.01 - EP US); **B65B 31/024** (2013.01 - EP); **B65B 39/06** (2013.01 - EP); **B65B 43/16** (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US); **B65B 55/24** (2013.01 - EP US); **B65B 59/04** (2013.01 - EP); **B65B 65/003** (2013.01 - EP US); **B65B 37/02** (2013.01 - EP); **B65B 51/10** (2013.01 - EP); **B65B 2210/10** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020112995 A1 20211118; BR 112022023188 A2 20221220; CA 3183113 A1 20211118; CN 115605400 A 20230113; EP 4149847 A1 20230322; US 2023227195 A1 20230720; WO 2021228823 A1 20211118

DOCDB simple family (application)
DE 102020112995 A 20200513; BR 112022023188 A 20210511; CA 3183113 A 20210511; CN 202180035119 A 20210511; EP 2021062432 W 20210511; EP 21729808 A 20210511; US 202117998321 A 20210511