

Title (en)

GRIPPING APPARATUS

Title (de)

GREIFVORRICHTUNG

Title (fr)

DISPOSITIF DE PRÉHENSION

Publication

EP 3898134 A1 20211027 (DE)

Application

EP 19832079 A 20191218

Priority

- DE 102018132888 A 20181219
- EP 2019086063 W 20191218

Abstract (en)

[origin: WO2020127562A1] The present invention relates to a gripping apparatus (100) for receiving, conveying and dispensing a product (P), the gripping apparatus (100) comprising: a main structure (110) which can be releasably and preferably non-destructively attached to a handling device (R) by means of a coupling element (112); at least two gripping elements (120) which each have at least one bottom surface (122) and at least one top surface (124), the top surfaces (124) of the gripping elements (120) facing towards the coupling element (112) and the bottom surfaces (122) of the gripping elements (120) facing away from the coupling element (112); at least one drive means (13) for reversibly moving the gripping elements (120) between a first position, in which the gripping elements (120) can be positioned on opposing sides of the product (P) to be received, and a second position, in which the gripping elements (120) grip the product (P) to be received; and a stop plate (140), which rests at least approximately on the top surfaces (124) of the gripping elements (120).

IPC 8 full level

B25J 11/00 (2006.01); **B25J 15/00** (2006.01)

CPC (source: EP US)

A22C 7/0023 (2013.01 - EP); **A22C 7/003** (2013.01 - EP); **A22C 11/00** (2013.01 - EP); **A22C 11/008** (2013.01 - EP US);
A22C 17/0093 (2013.01 - EP US); **A22C 25/08** (2013.01 - US); **B25J 11/0045** (2013.01 - EP US); **B25J 15/0038** (2013.01 - EP US);
B25J 15/0052 (2013.01 - EP US); **B25J 15/026** (2013.01 - EP US); **B25J 15/0616** (2013.01 - EP US)

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

DOCDB simple family (publication)

WO 2020127562 A1 20200625; AU 2019406578 A1 20210715; BR 112021011825 A2 20210831; CA 3124300 A1 20200625;
DE 102018132888 A1 20200625; EP 3898134 A1 20211027; MX 2021007262 A 20210908; US 2022072718 A1 20220310

DOCDB simple family (application)

EP 2019086063 W 20191218; AU 2019406578 A 20191218; BR 112021011825 A 20191218; CA 3124300 A 20191218;
DE 102018132888 A 20181219; EP 19832079 A 20191218; MX 2021007262 A 20191218; US 201917416451 A 20191218