

Title (en)

DEVICE FOR DISTRIBUTING CLIP-TYPE COMPONENTS

Title (de)

VORRICHTUNG ZUM VERTEILEN VON KLAMMERARTIGEN KOMPONENTEN

Title (fr)

DISPOSITIF DE DISTRIBUTION DE COMPOSANTS DE TYPE AGRAFE

Publication

**EP 3976308 A1 20220406 (FR)**

Application

**EP 20737524 A 20200528**

Priority

- FR 1905772 A 20190529
- FR 2020050906 W 20200528

Abstract (en)

[origin: WO2020240142A1] The invention relates to a device (100) for distributing clip-type components (A) intended particularly for assembling parts, the device comprising: - a main magazine (110) for bulk storage of the components, - a tray (130) for temporary storage of components (A) extracted from the main magazine (110), which tray is configured to temporarily store the components (A) waiting to be transferred out of the device (100), the tray (130) being mounted for reciprocating translation in at least one longitudinal direction (D) so as to be able to shake the temporarily stored components (A) and facilitate their positioning inside the tray (130) in at least one predetermined stable position (P1, P2) corresponding to their shape, - an optical detection system (140) configured to detect, from among the components (A) temporarily stored inside the temporary storage tray (130), the components having the predetermined stable position (P1, P2), - a transfer system (160) configured to transfer, individually or in groups, the components (A) having the predetermined stable position (P1, P2) to a downstream processing area (170) located outside the device (100), - an electronic control unit (150) electronically connected to the optical detection system (140) and the transfer system (160), the unit (150) being configured to control the transfer system (160), in particular depending on detection signals received from the optical detection system (140), the device being characterised in that the temporary storage tray (130) is equipped with a series of individual recesses (131), each of the recesses (131) being configured to receive a single component (A) in the predetermined stable position (P1, P2).

IPC 8 full level

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