

Title (en)
SELF-REPAIRING VACUUM DEVICE

Title (de)
SELBSTREPARIERENDE VAKUUMVORRICHTUNG

Title (fr)
DISPOSITIF À VIDE AUTO-RÉPARATEUR

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Application
EP 21150521 A 20210107

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Abstract (en)
The present invention refers to a vacuum device (1) for removing air from a flexible container (2), in particular a polymer bag, in particular filled with food. The vacuum device (1) according to the present invention comprises a movable compression element (4) for compressing the container (2), a pump unit (6) for removing air from the container (2), a control unit (8) for controlling operation of the vacuum device (1), a frame structure (10) for holding the pump unit (6) and the control unit (8) and for providing a counter compression element (12) for compressing the container (2), an actuator (14) for moving the movable compression member (4) between a first position (16) and a second position (18), wherein the first position (16) is a starting position and located in a distance to the counter compression element (12) and wherein the second position (18) is an end position, wherein the end position is closer to the counter compression element (12) compared to the starting position, at least one switch (20) for switching operation of the actuator (14) from on to off, wherein the switch (20) is at least partially arranged in a region of the starting position within a traveling path (22) of the movable compression element, (4) wherein the switch (20) preferably comprises a contact section to be directly or indirectly contacted by the movable compression element for actuating the switch (20), and at least one expanding element (24) for pushing the movable compression element (4) from the end position into the direction of the starting position.

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Citation (applicant)
• EP 3450893 A1 20190306 - VESTEL BEYAZ ESYA SANAYI VE TICARET AS [TR]
• US 7331163 B2 20080219 - HAU JOSEPH A [US], et al
• KR 101312648 B1 20130927 - CSE CO LTD [KR]

Citation (search report)
• [AD] EP 3450893 A1 20190306 - VESTEL BEYAZ ESYA SANAYI VE TICARET AS [TR]
• [A] CN 111891446 A 20201106 - CHUZHOU LIANRUN ECOLOGICAL AGRICULTURE DEV CO LTD
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• [A] EP 1925556 A2 20080528 - SALVARO MARZIANO [IT]
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