

Title (en)

Apparatus for capping containers.

Title (de)

Vorrichtung zum Anbringen von Deckeln auf Behältern.

Title (fr)

Appareil pour appliquer des couvercles à des récipients.

Publication

EP 0421543 A1 19910410 (EN)

Application

EP 90202620 A 19901002

Priority

JP 11687789 U 19891003

Abstract (en)

An apparatus for capping containers comprises a primary suction member (31) for attracting the central portion of a cap (L) at the lowermost position within a cap stacker (11), and a secondary suction member (34) for attracting a peripheral portion of the cap. Although both the suction members are stretchable, the secondary suction member is contractable more greatly than the primary suction member when attracting the cap. Both the suction members attract the cap in the lowermost position within the stacker at the same time to withdraw the cap from the stacker, whereupon the secondary suction member contracts more greatly than the primary suction member to create a clearance between the attracted cap and another cap adjacent thereto immediately thereabove, permitting air to flow in between the two caps through the clearance to prevent occurrence of a negative pressure.

IPC 1-7

B65B 7/28

IPC 8 full level

B65B 7/28 (2006.01)

CPC (source: EP)

B65B 7/2807 (2013.01)

Citation (search report)

- [A] EP 0238421 A1 19870923 - LYONNAISE BOUCHAGE [FR]
- [A] WO 8002271 A1 19801030 - LYKES PASCO PACKING CO INC [US]
- [A] EP 0274296 A1 19880713 - REMY & CIE E P [FR]
- [A] US 4848060 A 19890718 - KUBIS CHARLES S [US], et al

Cited by

FR2831879A1; US5946886A

Designated contracting state (EPC)

CH DE DK FR GB LI NL SE

DOCDB simple family (publication)

EP 0421543 A1 19910410; EP 0421543 B1 19940112; DE 69005963 D1 19940224; DE 69005963 T2 19940519; DK 0421543 T3 19940214; JP H0356502 U 19910530; JP H088962 Y2 19960313

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