

Title (en)

Device and method for attaching a straw to a container

Title (de)

Trinkhalmanbringvorrichtung und -verfahren

Title (fr)

Dispositif et procédé pour appliquer des chalumeaux d'aspiration sur des récipients

Publication

**EP 1238921 A3 20041201 (DE)**

Application

**EP 02004669 A 20020228**

Priority

DE 10109875 A 20010301

Abstract (en)

[origin: EP1238921A2] The drinking-straws (4) are in the form of a strip (6) which has a layer of adhesive (8) on one side. The drinks-containers (2) are conveyed along a track by a conveyor (10). A feeder (12) in the form of a rotor brings the strip of straws to the track so that the strip's second, non-adhesive side rests against the feeder. A cutter (14) cuts the strip between the straws. At least one pressure appliance (16a,b) presses a straw against a film bag (2b). The cutter has a cavity level with, and as wide as, the adhesive layer.

IPC 1-7

**B65D 77/28**; **B65B 61/20**

IPC 8 full level

**B65B 61/06** (2006.01); **B65B 61/20** (2006.01); **B65B 15/00** (2006.01); **B65D 77/28** (2006.01)

CPC (source: EP KR US)

**B65B 15/00** (2013.01 - KR); **B65B 61/205** (2013.01 - EP US); **B65D 77/28** (2013.01 - EP US)

Citation (search report)

- [XA] US 4584046 A 19860422 - GEYSSEL JURGEN [DE]
- [A] EP 0909710 A1 19990421 - INDAG GMBH [DE]
- [A] US 4572758 A 19860225 - WILD RUDOLF [DE]

Cited by

CZ299044B6; KR100455301B1; US7891395B2; US9527618B2

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