

Title (en)  
Apparatus and method for filling containers

Title (de)  
Vorrichtung und Verfahren zum Befüllen von Behältern

Title (fr)  
Dispositif et procédé pour remplir des récipients

Publication  
**EP 1413518 A3 20040602 (DE)**

Application  
**EP 03405712 A 20031003**

Priority  
CH 17962002 A 20021025

Abstract (en)  
[origin: EP1413518A2] An assembly packs a quantity of discrete, loose identical products (P2) in a container (B). The assembly has a first conveyor (3) that supplies containers to a packing station and a second conveyor feeding products (P2) to the packing station. A filling unit (7) transfers products to the container. The filling station (6) esp. is equipped with accessory devices (4, 5) which partially deform or widen the container inlet prior to filling.

IPC 1-7  
**B65B 5/10; B65B 39/00; B65B 43/39**

IPC 8 full level  
**B65B 5/10** (2006.01); **B65B 5/12** (2006.01); **B65B 39/00** (2006.01); **B65B 43/39** (2006.01)

CPC (source: EP US)  
**B65B 5/105** (2013.01 - EP US); **B65B 5/12** (2013.01 - EP US); **B65B 39/007** (2013.01 - EP US); **B65B 43/39** (2013.01 - EP US)

Citation (search report)

- [X] GB 1056671 A 19670125 - US INDUSTRIES INC
- [X] DE 3713331 A1 19880421 - CHEMNITZ KONSUM [DD]
- [X] US 3638391 A 19720201 - FLUCK RENE
- [X] US 4800706 A 19890131 - DORNER WOLFGANG C [US]
- [X] US 2510343 A 19500606 - KRAUSE GEORGE A, et al
- [X] US 5558614 A 19960924 - ANDERSON DAVID L [US], et al

Cited by  
EP1801044A1; CN107697359A; EP3395696A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1413518 A2 20040428; EP 1413518 A3 20040602; EP 1413518 A9 20040728**; CA 2445907 A1 20040425; US 2004079053 A1 20040429

DOCDB simple family (application)  
**EP 03405712 A 20031003**; CA 2445907 A 20031021; US 67469003 A 20030930