

Title (en)
Filling head for still beverages

Title (de)
Füllorgan für stille Getränke

Title (fr)
Tête de remplissage pour boissons plates

Publication
EP 1243547 A1 20020925 (DE)

Application
EP 02004733 A 20020301

Priority
DE 10114660 A 20010324

Abstract (en)
The filler element (5) has an outlet (6) with concentrically positioned annular nozzle (9) blowing sterile gas in the filling direction. The filler element incorporates a source of sterilizing radiation (12,13), and has a jet nozzle (15) blowing sterile gas.

Abstract (de)
Ein Füllorgan (5) mit einem Auslauf (6), zum offenen Abfüllen stiller Getränke (7) in Behälter (1), ist dadurch gekennzeichnet, daß am Füllorgan (5) eine Sterilgas in Füllrichtung abblasende Ringdüse (9) konzentrisch zum Auslauf (6) angeordnet ist. <IMAGE>

IPC 1-7
B67C 3/26; **B67C 3/04**

IPC 8 full level
B67C 3/00 (2006.01); **B67C 3/04** (2006.01); **B67C 3/26** (2006.01)

CPC (source: EP US)
B67C 3/04 (2013.01 - EP US); **B67C 3/2642** (2013.01 - EP US); **B67C 2003/228** (2013.01 - EP US); **B67C 2003/2688** (2013.01 - EP US)

Citation (search report)

- [XY] DE 4219082 A1 19931216 - KRONSEDER MASCHF KRONES [DE]
- [Y] WO 9855364 A1 19981210 - STOCCHI GABRIELE [IT]
- [A] US 5441179 A 19950815 - MARSH STEPHEN A [US]

Cited by
WO2008006446A1

Designated contracting state (EPC)
BE DE FR IT

DOCDB simple family (publication)
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