

Title (en)

Beverage dispenser system using volumetric ratio control device.

Title (de)

Getränkeabgabeeinrichtung mit Kontrollvorrichtung für das Mengenverhältnis.

Title (fr)

Distributeur de boissons avec dispositif de contrôle du rapport volumétrique.

Publication

**EP 0532062 A1 19930317 (EN)**

Application

**EP 92119357 A 19870717**

Priority

- EP 87110380 A 19870717
- US 88854686 A 19860718

Abstract (en)

A postmix valve for a beverage dispenser, including a volumetric ratio control device (48) incorporated therein to provide positive ratio control. The device includes a syrup piston (40) and a soda piston (42) linked together, syrup (44) and soda (46) chambers, and valve means for controlling the flow to and from the chambers. The soda pressure drives the pistons. The valve means include four 3-way poppet valves (92, 94, 96, 98). This valve can be used with any of a figal, a bag-in-box, a gravity tank, or a non-returnable container under no pressure or under a low pressure of 5 to 10 psig. <IMAGE>

IPC 1-7

**B67D 1/00**; **B67D 1/10**

IPC 8 full level

**B67D 1/12** (2006.01); **B67D 1/00** (2006.01); **B67D 1/10** (2006.01); **B67D 1/14** (2006.01)

CPC (source: EP)

**B67D 1/0031** (2013.01); **B67D 1/0048** (2013.01); **B67D 1/0085** (2013.01); **B67D 1/107** (2013.01); **B67D 1/1288** (2013.01); **B67D 2001/0089** (2013.01)

Citation (search report)

- [A] US 3672389 A 19720627 - MCCONNELL ALEXANDER, et al
- [A] US 3640433 A 19720208 - RODTH JOSEPH J
- [AP] EP 0223568 A2 19870527 - PROD RES & DEV [US]

Cited by

RU2506223C2; US7905373B2; US11634311B2; US11504458B2; US11655806B2; WO9936348A1; US11906988B2; US8087303B2; US11365107B2; US11427462B2; US11738989B2; US11135345B2; US11752246B2; US8322570B2; US11661329B2; US11975960B2; US2009277516A1; US9146564B2; US11429120B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0253406 A2 19880120**; **EP 0253406 A3 19880323**; AT E130827 T1 19951215; AT E130828 T1 19951215; BR 8703743 A 19880329; CA 1317913 C 19930518; DE 3751624 D1 19960111; DE 3751624 T2 19960718; DE 3751625 D1 19960111; DE 3751625 T2 19960530; EP 0532062 A1 19930317; EP 0532062 B1 19951129; EP 0532063 A1 19930317; EP 0532063 B1 19951129; JP 2537519 B2 19960925; JP S6333298 A 19880212

DOCDB simple family (application)

**EP 87110380 A 19870717**; AT 92119357 T 19870717; AT 92119358 T 19870717; BR 8703743 A 19870717; CA 542041 A 19870714; DE 3751624 T 19870717; DE 3751625 T 19870717; EP 92119357 A 19870717; EP 92119358 A 19870717; JP 17734487 A 19870717