

Title (en)

DEVICE FOR PREPARING AND DISPENSING REFRESHING BEVERAGES

Title (de)

VORRICHTUNG ZUM BEREITEN UND AUSGEBEN VON ERFRISCHUNGSGETRÄNKEN

Title (fr)

DISPOSITIF POUR PREPARER ET DISTRIBUER DES BOISSONS RAFRAICHISSANTES

Publication

**EP 0610482 B1 19981202 (DE)**

Application

**EP 93919163 A 19930825**

Priority

- DE 4228770 A 19920828
- EP 9302281 W 19930825

Abstract (en)

[origin: US5464124A] Carbonator apparatus used in connection with a postmix beverage dispenser system includes a water delivery branching circuit for the water fed under pressure from a fresh water source and which is used to fill a storage tank for carbonated water produced therein and to supply fresh water to a recirculating type of fresh water cooling structure which includes a water circulating coil located in the bottom of the storage tank and/or a water channel guide located on the outside of the storage tank. The branching system selectively enables fresh water to be fed into a carbonator storage tank where the water is blended with CO<sub>2</sub> gas or is guided around it while being cooled without being carbonated so that either cooled carbonated water or non-carbonated water is delivered to a mixing station along with a drink concentrate.

IPC 1-7

**B01F 3/04**; **B67D 1/08**

IPC 8 full level

**B67D 1/07** (2006.01); **A23L 2/00** (2006.01); **B01F 1/00** (2006.01); **B01F 3/04** (2006.01); **B67D 1/00** (2006.01); **B67D 1/08** (2006.01)

CPC (source: EP US)

**B01F 23/236** (2022.01 - EP US); **B67D 1/0057** (2013.01 - EP US); **B67D 1/0861** (2013.01 - EP US); **Y10S 261/07** (2013.01 - EP US)

Citation (examination)

Prospekt "GA 3000 BreakMate" service manual 1987 der Firma Coca Cola

Cited by

AU695235B3

Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**US 5464124 A 19951107**; AT E173954 T1 19981215; AU 4952893 A 19940329; CA 2122054 A1 19940317; CA 2122054 C 19961224; DE 4228770 A1 19940303; DE 59309187 D1 19990114; EP 0610482 A1 19940817; EP 0610482 B1 19981202; JP 3187052 B2 20010711; JP H07503182 A 19950406; WO 9405408 A1 19940317; ZA 936288 B 19940321

DOCDB simple family (application)

**US 23397394 A 19940428**; AT 93919163 T 19930825; AU 4952893 A 19930825; CA 2122054 A 19930825; DE 4228770 A 19920828; DE 59309187 T 19930825; EP 9302281 W 19930825; EP 93919163 A 19930825; JP 50682794 A 19930825; ZA 936288 A 19930827