

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 0609424 B1 19981202 (DE)**

Application  
**EP 93919162 A 19930825**

Priority  
• DE 4228775 A 19920828  
• EP 9302280 W 19930825

Abstract (en)  
[origin: US5413742A] A post-mix beverage preparation and dispensing unit includes a carbonator tank coupled to a feed water branching circuit. The branching circuit selectively feeds fresh water from a pressurized fresh water source to the storage tank where the water is mixed with CO<sub>2</sub> gas and is fed to a concentrate mixing station or it feeds fresh water through a heat exchanger which is coupled to the cooled carbonated water of the carbonator tank to cool a supply of fresh water which is then delivered to the same mixing station along with the proper concentrate of the proper amount. A selected beverage is delivered to a dispensing station and can either be a carbonated beverage or a non-carbonated beverage depending on the desire of the consumer.

IPC 1-7  
**B67D 1/08**; **B67D 1/00**; **B01F 3/04**

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 1/0021** (2013.01 - EP US); **B67D 1/0057** (2013.01 - EP US); **B67D 1/0067** (2013.01 - EP US); **B67D 1/0861** (2013.01 - EP US); **B67D 2210/00104** (2013.01 - EP US); **Y10S 261/07** (2013.01 - EP US)

Citation (examination)  
Prospekt "GA 3000 BreakMate" service manual 1987 der Firma Coca Cola

Designated contracting state (EPC)  
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 5413742 A 19950509**; AT E174003 T1 19981215; AU 4952793 A 19940329; CA 2122056 A1 19940317; CA 2122056 C 19961210; DE 4228775 A1 19940303; DE 59309186 D1 19990114; EP 0609424 A1 19940810; EP 0609424 B1 19981202; JP 3490440 B2 20040126; JP H07503221 A 19950406; WO 9405591 A1 19940317; ZA 936292 B 19940316

DOCDB simple family (application)  
**US 23396594 A 19940428**; AT 93919162 T 19930825; AU 4952793 A 19930825; CA 2122056 A 19930825; DE 4228775 A 19920828; DE 59309186 T 19930825; EP 9302280 W 19930825; EP 93919162 A 19930825; JP 50682694 A 19930825; ZA 936292 A 19930827