

Title (en)

Portable, automatic water carbonator, requiring no electrical components.

Title (de)

Tragbare, automatische Vorrichtung zum Anreichern von Wasser mit Kohlensäure ohne elektrische Bauteile.

Title (fr)

Appareil automatique portable pour carbonater l'eau ne nécessitant par d'appareillage électrique.

Publication

EP 0312080 A1 19890419 (EN)

Application

EP 88117098 A 19881014

Priority

US 10868487 A 19871015

Abstract (en)

A portable carbonator includes a built-in CO₂ supply system which operates on disposable gas generating cartridges. The system requires no electrical power and is self-sufficient and automatic. CO₂ gas is generated by a chemical reaction between reagents which carbonates and/or propels the water. Whenever carbonated water is drawn, the reagents react and generate more CO₂ so as to maintain a constant pressure of the carbonated water.

IPC 1-7

B01F 3/04; **B67D 1/00**

IPC 8 full level

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

CPC (source: EP)

B01F 23/236 (2022.01); **B67D 1/0443** (2013.01)

Citation (search report)

- [X] DE 45734 C
- [A] DE 7114 C
- [A] GB 2139910 A 19841121 - THORN EMI DOMESTIC APPLIANCES
- [A] EP 0168990 A2 19860122 - THORN EMI APPLIANCES [GB]
- [A] US 4304736 A 19811208 - MCMILLIN JOHN R, et al

Designated contracting state (EPC)

AT CH DE FR GB IT LI LU SE

DOCDB simple family (publication)

EP 0312080 A1 19890419; **EP 0312080 B1 19930804**; AT E92363 T1 19930815; AU 2391888 A 19890608; AU 606220 B2 19910131; CN 1019172 B 19921125; CN 1033751 A 19890712; DE 3882879 D1 19930909; DE 3882879 T2 19940317; JP H01139128 A 19890531; JP H0446610 B2 19920730

DOCDB simple family (application)

EP 88117098 A 19881014; AT 88117098 T 19881014; AU 2391888 A 19881017; CN 88108527 A 19881014; DE 3882879 T 19881014; JP 25738688 A 19881014