

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 CO<sub>2</sub> supply system which operates on disposable gas generating cartridges. The system requires no electrical power and is self-sufficient and automatic. CO<sub>2</sub> 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 CO<sub>2</sub> 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

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