

Title (en)

Carbonator with thermoelectric cooler

Title (de)

Karbonisierungsvorrichtung mit einem thermoelektrischen Kühler

Title (fr)

Carbonateur comprenant un refroidisseur thermo-électrique

Publication

**EP 1338552 A1 20030827 (EN)**

Application

**EP 03003727 A 20030219**

Priority

IT MI20020358 A 20020222

Abstract (en)

A saturator, particularly for dissolving carbon dioxide in water, comprising a casing (2) adapted to contain a coil (12) at least partially immersed in an ice bank generated by a thermoelectric refrigeration unit. The saturator comprises a Peltier cell (11), which constitutes the thermoelectric refrigeration unit and is associated with a diffuser (10) that is arranged inside the casing (2) and is connected to a heat sink (14) arranged outside the casing. <IMAGE>

IPC 1-7

**B67D 1/00**; **B67D 1/08**

IPC 8 full level

**B67D 1/00** (2006.01); **B67D 1/08** (2006.01)

CPC (source: EP)

**B67D 1/0057** (2013.01); **B67D 1/0062** (2013.01); **B67D 1/0063** (2013.01); **B67D 1/0065** (2013.01); **B67D 1/0869** (2013.01)

Citation (search report)

- [PX] DE 10128620 A1 20021219 - AQAMORE GMBH [DE]
- [A] US 5918468 A 19990706 - CASSELLS JOHN MACLAREN [GB], et al
- [A] GB 2304179 A 19970312 - FRASER MILNE LTD [GB]
- [A] US 6131393 A 20001017 - GREENE RALPH G [US]
- [A] US 5192513 A 19930309 - STUMPHAUZER WILLIAM C [US], et al
- [A] US 4011733 A 19770315 - KUCKENS ALEXANDER, et al

Cited by

EP1878691A1; EP3337754A4; AU2016308040B2; WO2017031047A1; US10710031B2

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