

Title (en)

DEVICE FOR ENRICHING WATER WITH CARBONDIOXIDE GAS IN ORDER TO GENERATE CARBONATED WATER

Title (de)

VORRICHTUNG ZUM ANREICHERN VON WASSER MIT KOHLENDIOXID-GAS ZUR ERZEUGUNG VON KARBONISERTEM WASSER

Title (fr)

PROCEDE POUR ENRICHIR DE L'EAU EN GAZ CARBONIQUE AFIN DE PRODUIRE DE L'EAU GAZEIFIEE

Publication

EP 0609423 B1 19980304 (DE)

Application

EP 93919161 A 19930825

Priority

- DE 4228776 A 19920828
- EP 9302279 W 19930825

Abstract (en)

[origin: US5399300A] A carbonator having a cooling system which is controlled by a controller responsive to input signals generated by an ambient temperature sensor, an ice thickness sensor and a water level sensor. After an initial ice build up following first turn-on of the system and depending on the ambient temperature sensed by the temperature sensor, the cooling system will turn on for a predetermined ON period followed by a predetermined OFF period. These ON and OFF periods are variable as a function of ambient temperature as sensed by the temperature sensor and will recycle in absence of any carbonated water removed. If, however, water removal takes place, the OFF period is interrupted and system turn-on will occur the next time a signal from the ice sensor is received and the ON and OFF cycle as determined by the system controller will resume unless it is again interrupted by another water removal signal from the water level sensor.

IPC 1-7

B67D 1/08; **F25D 31/00**; **B01F 3/04**

IPC 8 full level

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CPC (source: EP US)

B01F 23/2362 (2022.01 - EP US); **B01F 35/2115** (2022.01 - EP US); **B01F 35/213** (2022.01 - EP US); **B01F 35/92** (2022.01 - EP US); **B67D 1/0047** (2013.01 - EP US); **B67D 1/0057** (2013.01 - EP US); **B67D 1/0067** (2013.01 - EP US); **B67D 1/0857** (2013.01 - EP US); **F25D 31/006** (2013.01 - EP US); **B01F 2035/98** (2022.01 - EP US); **Y10S 261/07** (2013.01 - EP US)

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