

Title (en)

Device for treating and distributing drinks, particularly water

Title (de)

Vorrichtung zur Behandlung und Verteilung von Getränken, insbesondere Wasser

Title (fr)

Dispositif pour traiter et distribuer des boissons, particulièrement de l'eau

Publication

EP 1892214 A1 20080227 (EN)

Application

EP 07113223 A 20070726

Priority

IT GE20060076 A 20060728

Abstract (en)

Device for treating and distributing drinks, particularly water, comprising a carbonator (1) into which a specific body of water (2) and a specific quantity of gas are introduced through suitable supply and pumping means (4, 5, 6, 6') so as to form a cushion (3) of pressurized gas between the upper wall (101) of the carbonator (1) and the body of water (2); the carbonator (1) interacts with a refrigerating system (24) for cooling the body of water (3) and is provided with suitable pipes (22, 25, 26) for transferring the treated water to a set of delivery valves (8, 9, 10) communicating with a terminal (13) for the final distribution of the treated water; the carbonator (1) comprises a pressure switch (20) electrically connected to the water pumping means (5); the pressure switch (20) can detect the pressure in the gas cushion (3) and cause the starting or stopping of the water pumping means (5) if the pressure detected in the gas cushion (3) falls below a certain predetermined value because of the discharge of treated water from the distribution terminal (13), or if it exceeds this predetermined value because of the excessive compression of the gas cushion (3) due to the entry of water into the carbonator (1).

IPC 8 full level

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Citation (search report)

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