

Title (en)
Device for issuing beverages

Title (de)
Vorrichtung zur Ausgabe von Getränken

Title (fr)
Dispositif de distribution de boissons

Publication
EP 2236198 A2 20101006 (DE)

Application
EP 10155542 A 20100304

Priority
DE 202009002027 U 20090402

Abstract (en)
The dispensing device comprises a water tank (2) connected over a pump (4) with a carbonizator (9) that is mounted at an inlet for carbon dioxide in which a cylindrical chamber filled with carbon dioxide and carbonized water is formed. A part of the chamber is mounted with carbonized water at an outlet. The introduction of the water conducted from water tank is carried out over a nozzle that injects the water through the part of the chamber filled with carbon dioxide into carbonized water. A baffle spaced from the outlet is arranged in the chamber in lower part filled with carbonized water. The dispensing device comprises a water tank (2) connected over a pump (4) with a carbonizator (9) that is mounted at an inlet for carbon dioxide in which a cylindrical chamber filled with carbon dioxide and carbonized water is formed. A part of the chamber is mounted with carbonized water at an outlet. The introduction of the water conducted from water tank is carried out over a nozzle that injects the water through the part of the chamber filled with carbon dioxide into carbonized water. A baffle spaced from the outlet is arranged in the chamber in the lower part filled with carbonized water. The housing comprises a tube that is connected by an upper side through a plate with an inlet for carbon dioxide and an inlet for the water guided from the water tank. The nozzle is mounted on the plate. The nozzle comprises a channel with a diameter of 1-1.5 mm. The tube is connected at the lower side through the plate on which the outlet is left out for carbonized water. The chamber has an internal pressure of 2-4 bar. A sensor for detecting the filling level of the carbonized water is arranged on or in the housing. The sensor is coupled with a control by which the pump is controllable. The housing of the carbonizator is arranged in a container (10) with water. The container is cooled by a cooling device. The water is conveyed from the water tank to the carbonizator or in the container. A drinks dispenser (14) is provided to which water from the container or carbonized water from the carbonizator is conveyable.

Abstract (de)
Vorrichtung (1) zur Ausgabe von Getränken, mit einem Wassertank (2), der über eine Pumpe (4) mit einem Karbonisator (9) verbunden ist, der an eine Zuleitung (19) für CO₂ angeschlossen ist und ein Gehäuse (21, 34) umfasst, in dem eine mit CO₂ und karbonisiertem Wasser befüllte Kammer (26, 27) ausgebildet ist, wobei der Teil (27) der Kammer mit karbonisiertem Wasser an einem Ablauf (31) angeschlossen ist, wobei eine Einleitung des aus dem Wassertank (2) geförderten Wassers über eine Düse (23) erfolgt, die das Wasser durch den mit CO₂ befüllten Teil (26) der Kammer in das karbonisierte Wasser einspritzt.

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