

Title (en)
ARRANGEMENT OF A CIRCULATING PUMP IN A STORAGE VESSEL

Publication
EP 0172399 B1 19890712 (DE)

Application
EP 85108796 A 19850713

Priority
DE 3430952 A 19840822

Abstract (en)
[origin: US4705193A] A circulation pump system in a storage vessel for liquids, more particularly in a carbonizing tank of a beverage dispenser in which soda water, a mixture of CO₂ gas and fresh water, is chilled and stored under pressure for withdrawal via an outlet connection. The circulation pump is mounted directly above the discharge port of the storage vessel so that the small amount of heat released by the circulation pump is utilized to keep the outlet opening free of ice.

IPC 1-7
B01F 3/04

IPC 8 full level
G07F 13/00 (2006.01); **B01F 1/00** (2006.01); **B01F 3/04** (2006.01); **B01F 15/00** (2006.01); **B67D 7/66** (2010.01); **F25D 11/00** (2006.01)

CPC (source: EP US)
B01F 23/2362 (2022.01 - EP US); **B01F 27/25** (2022.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0172399 A2 19860226; **EP 0172399 A3 19870325**; **EP 0172399 B1 19890712**; AT E44475 T1 19890715; CA 1248921 A 19890117; DE 3430952 A1 19860306; DE 3430952 C2 19890928; DE 3571401 D1 19890817; JP H0545288 B2 19930708; JP S61127500 A 19860614; US 4705193 A 19871110

DOCDB simple family (application)
EP 85108796 A 19850713; AT 85108796 T 19850713; CA 489130 A 19850821; DE 3430952 A 19840822; DE 3571401 T 19850713; JP 18378185 A 19850821; US 76836785 A 19850822