

Title (en)

Ice bank control system for beverage dispenser.

Title (de)

Eisspeichersteuerungsverfahren für Getränkeausgabegerät.

Title (fr)

Système de commande d'un accumulateur de glace pour un distributeur de boissons.

Publication

EP 0315439 A2 19890510 (EN)

Application

EP 88310324 A 19881102

Priority

US 11593587 A 19871102

Abstract (en)

An ice bank control system for a beverage dispenser (10) having a mechanical refrigeration system (12) including an inexpensive solid state sensor (30), preferably a thermistor, located in the ice water bath (14) adjacent to the evaporator coil and connected to a control circuit (26) including a microprocessor which not only controls the ice bank, but also protects the compressor motor (24).

IPC 1-7

B67D 1/08; **F25D 21/02**; **F25D 31/00**

IPC 8 full level

B67D 1/08 (2006.01); **F25C 1/08** (2006.01); **F25D 21/02** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP KR)

B67D 1/0864 (2013.01 - EP); **B67D 99/00** (2013.01 - KR); **F25D 21/02** (2013.01 - EP); **F25D 31/003** (2013.01 - EP)

Cited by

US5950866A; FR2776377A1; CN104200616A; DE202006014421U1; US5549219A; US5987897A; US5399300A; US7146818B2; EP0644387A1; EP0491687A4; EP1132336A1; EP1134184A1; EP1134185A1; EP0907609A4; WO9854523A1; US10306906B2; WO9606012A3; WO0042365A1; WO2014123842A1; US10561996B2; WO9405590A1; WO2015168293A1; EP2295369B1; EP2295369A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0315439 A2 19890510; **EP 0315439 A3 19900919**; AU 2463488 A 19890525; AU 617371 B2 19911128; BR 8805571 A 19890711; CN 1034992 A 19890823; JP H01147272 A 19890608; KR 890008018 A 19890708; ZA 888172 B 19900530

DOCDB simple family (application)

EP 88310324 A 19881102; AU 2463488 A 19881102; BR 8805571 A 19881027; CN 88107501 A 19881101; JP 27461788 A 19881101; KR 880014037 A 19881027; ZA 888172 A 19881101