

Title (en)

VENTURI MIXING DEVICE FOR MAKING AND DISPENSING MIXED BEVERAGES, WITH CHECK VALVE

Publication

EP 0241687 B1 19890412 (DE)

Application

EP 87102899 A 19870302

Priority

DE 3607606 A 19860307

Abstract (en)

[origin: US4817825A] A water jet injection device for use with mixed beverage dispensing machines is provided, wherein a bushing-type sealing element which fulfills several functions is placed in the injector housing. In particular, the sealing element sealingly separates the mixing chamber from the rearward section of the injector housing in a reliable manner and further acts as a nonreturn valve hermetically sealing the mixing chamber against the supply conduit for fruit syrup or concentrate when the injector in the mixing chamber is inoperative and, at the same time, the sealing element provides a seal when an intake conduit or the like is connected with the lateral intake opening of the injector housing.

IPC 1-7

B67D 1/00; **B67D 5/56**

IPC 8 full level

B67D 1/00 (2006.01); **B67D 5/56** (2006.01); **B67D 7/74** (2010.01)

CPC (source: EP US)

B67D 1/0043 (2013.01 - EP US); **B67D 1/0045** (2013.01 - EP US); **Y10T 137/87611** (2015.04 - EP US); **Y10T 137/87643** (2015.04 - EP US)

Cited by

GB2216819A; EP2935088A4; EP2703336A1; CN107029573A; WO2007070030A1; US7798367B2; US8083100B2; EP0904719A1; NL1007167C2; EP0392635B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0241687 A1 19871021; **EP 0241687 B1 19890412**; AT E42086 T1 19890415; CA 1299536 C 19920428; DE 3607606 A1 19870924; DE 3760100 D1 19890518; US 4817825 A 19890404

DOCDB simple family (application)

EP 87102899 A 19870302; AT 87102899 T 19870302; CA 531393 A 19870306; DE 3607606 A 19860307; DE 3760100 T 19870302; US 2037487 A 19870302