

Title (en)

FOB SYSTEM FOR INTELLIGENT FLOW DETECTION AND DISPENSE CONTROL

Title (de)

FOB-SYSTEM ZUR INTELLIGENTEN DURCHFLUSSERKENNUNG UND AUSGABESTEUERUNG

Title (fr)

SYSTÈME FLOTTEUR SUR BIÈRE POUR DÉTECTION INTELLIGENTE DE DÉBIT ET COMMANDE DE DISTRIBUTION

Publication

EP 3956256 A4 20230726 (EN)

Application

EP 21773279 A 20210405

Priority

- US 202063029585 P 20200525
- US 202017084434 A 20201029
- US 2021025784 W 20210405

Abstract (en)

[origin: WO2021257152A1] A system and method detection of an empty keg is provided. Carbonated beverages from a keg communicates a carbonated alcoholic beverage to a liquid beverage sensor in fluid communication with the bulk keg. The liquid beverage sensor includes at least one phase detection sensor capable of identifying a foam or gas-liquid interface (Float on Beer Detector), at least one pressure sensor, at least one flow sensor, or at least one temperature sensor. A controller in operative communication with the TCB communicates with the control valve, the actuation button and in communication with the sensors. Upon detection of a low float level for the FOB detector, or low system pressure, or high system temperature, an alarm and/or override of the control fo the tap is accomplished.

IPC 8 full level

B67D 1/00 (2006.01); **B67D 1/08** (2006.01); **B67D 1/12** (2006.01); **B67D 1/14** (2006.01); **G01F 23/30** (2006.01)

CPC (source: EP)

B67D 1/0888 (2013.01); **B67D 1/1247** (2013.01); **B67D 1/1477** (2013.01); **G01F 23/0007** (2013.01); **G01F 23/703** (2013.01); **G01F 23/76** (2013.01); **B67D 2001/1483** (2013.01); **B67D 2001/1488** (2013.01)

Citation (search report)

- [A] US 2020055720 A1 20200220 - VOLFTSUN LEV [US], et al
- [A] US 2008189078 A1 20080807 - VOK PETER GEORGE [AU], et al
- [A] US 2010282334 A1 20101111 - HARTMANN FRANK [IE]
- [A] US 2019322518 A1 20191024 - BOND JONATHAN [GB]
- [A] EP 2808678 A2 20141203 - HEINEKEN UK LTD [GB]
- [A] CA 3083088 A1 20190531 - ASAHI BREWERIES LTD [JP], et al
- [A] US 2020024119 A1 20200123 - MCDOUGALL DOUG [US], et al
- [A] WO 2016089389 A1 20160609 - BEAL KEVIN [US], et al
- [A] GB 2236180 A 19910327 - BASS PLC [GB]
- [A] US 3756464 A 19730904 - FUQUA N
- See also references of WO 2021257152A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021257152 A1 20211223; AU 2021292939 A1 20230119; BR 112022024093 A2 20230131; CA 3144190 A1 20211223; EP 3956256 A1 20220223; EP 3956256 A4 20230726; JP 2023551079 A 20231207; MX 2022014840 A 20230404; MX 2022014843 A 20230516

DOCDB simple family (application)

US 2021025784 W 20210405; AU 2021292939 A 20210405; BR 112022024093 A 20210405; CA 3144190 A 20210405; EP 21773279 A 20210405; JP 2022572702 A 20210405; MX 2022014840 A 20210405; MX 2022014843 A 20210405