Title (en)

FLUID MIXTURE DISPENSING DEVICE WITH VALVE CURRENT ERROR DETECTION

Title (de)

FLÜSSIGKEITSGEMISCHABGABEVORRICHTUNG MIT VENTILSTROMFEHLERERKENNUNG

Title (fr)

DISPOSITIF DE DISTRIBUTION DE MÉLANGE DE FLUIDE AVEC DÉTECTION D'ERREUR DE COURANT DE SOUPAPE

Publication

EP 4288371 A1 20231213 (EN)

Application

EP 22701134 A 20220111

Priority

- US 202163146461 P 20210205
- US 202117547716 A 20211210
- US 2022012009 W 20220111

Abstract (en)

[origin: WO2022169563A1] An ingredient dispensing system includes an ingredient reservoir (106, 108a, 108b) and an electromechanical valve (120) configured so that, when the electromechanical valve is activated, an ingredient is dispensed from the ingredient reservoir. The disclosed system also includes a current sensor (455) configured to measure a current draw of the electromechanical valve. The disclosed system also includes a controller (550) programmed to sample the current draw from the current sensor and to detect a dispense error of the electromechanical valve based on the sampled current draw.

IPC 8 full level

B67D 1/00 (2006.01); **B67D 1/08** (2006.01); **B67D 1/12** (2006.01)

CPC (source: EP)

B67D 1/0028 (2013.01); **B67D 1/0036** (2013.01); **B67D 1/0079** (2013.01); **B67D 1/0884** (2013.01); **B67D 1/0888** (2013.01); **B67D 1/12** (2013.01); **B67D 1/1279** (2013.01); B67D 1/0043 (2013.01); B67D 1/04 (2013.01); B67D 2001/0093 (2013.01); B67D 2001/0812 (2013.01); B67D 2001/0814 (2013.01); B67D 2001/082 (2013.01)

Citation (search report)

See references of WO 2022169563A1

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