

Title (en)  
Post-mix beverage dispenser.

Title (de)  
Ausschankvorrichtung für nachträglich gemischte Getränke.

Title (fr)  
Distributeur de boissons formées par mélange postérieure.

Publication  
**EP 0080253 A2 19830601 (EN)**

Application  
**EP 82304015 A 19820729**

Priority  
• US 32047681 A 19811112  
• US 32047881 A 19811112

Abstract (en)  
A lightweight, portable post-mix carbonated beverage dispenser unit for use in small offices or small-volume locations is described. Flavoured syrup is supplied to the unit from disposable sealed syrup packages SP which are plugged into a dispenser valving system. CO<sub>2</sub> is supplied to the unit carbonator system CT in returnable containers 42 which also may be quickly plugged into a CO<sub>2</sub> valving system 44. A thermoelectric refrigeration system 72 may be provided to decrease noise and the number of moving parts or a mechanical freon system may be used. The unit construction may be modular for ease of repair. The cabinet is injection-molded from plastic. Water is supplied to the unit for mixing with the CO<sub>2</sub> and syrup from a water reservoir WR which may be manually filled. The refrigeration system cools the water in the reservoir, as well as the syrup packages and carbonator tank.

IPC 1-7  
**B67D 1/00**

IPC 8 full level  
**B67D 1/00** (2006.01); **B67D 3/00** (2006.01); **F25B 21/02** (2006.01)

CPC (source: EP KR)  
**B67D 1/00** (2013.01 - KR); **B67D 1/0021** (2013.01 - EP); **B67D 1/0074** (2013.01 - EP); **F25B 21/02** (2013.01 - EP);  
**B67D 2001/0812** (2013.01 - EP); **B67D 2210/00034** (2013.01 - EP); **B67D 2210/00104** (2013.01 - EP)

Cited by  
EP0299767A1; US4674656A; US4921139A; US5397032A; EP0173823A3; US4729495A; DE3442020A1; GB2152011A; DE3448243C2; AU582128B2; EP1462412A3; EP0181450B1

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

DOCDB simple family (publication)  
**EP 0190811 A2 19860813; EP 0190811 A3 19870819**; AT E49949 T1 19900215; AU 562616 B2 19870618; AU 8747682 A 19830519; BR 8206313 A 19830920; CA 1198395 A 19851224; DE 3280096 D1 19900308; EP 0080253 A2 19830601; EP 0080253 A3 19830907; EP 0080253 B1 19900131; ES 277888 U 19840801; ES 277888 Y 19850301; ES 524088 A0 19840616; ES 8405725 A1 19840616; IE 55576 B1 19901107; IE 822472 L 19830512; KR 840001929 A 19840607; MX 156291 A 19880808; NO 159261 B 19880905; NO 159261 C 19881214; NO 823680 L 19830513; NZ 201639 A 19860221; SU 1184440 A3 19851007

DOCDB simple family (application)  
**EP 86200372 A 19820729**; AT 82304015 T 19820729; AU 8747682 A 19820820; BR 8206313 A 19821029; CA 409853 A 19820820; DE 3280096 T 19820729; EP 82304015 A 19820729; ES 277888 U 19820921; ES 524088 A 19830713; IE 247282 A 19821012; KR 820004568 A 19821011; MX 19413282 A 19820825; NO 823680 A 19821105; NZ 20163982 A 19820819; SU 3493100 A 19820921