

Title (en)
POST-MIX BEVERAGE DISPENSER

Publication
EP 0190811 A3 19870819 (EN)

Application
EP 86200372 A 19820729

Priority
• US 32047681 A 19811112
• US 32047881 A 19811112

Abstract (en)
[origin: EP0190811A2] 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. CO₂ is supplied to the unit carbonator system CT in returnable containers 42 which also may be quickly plugged into a CO₂ 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 CO₂ 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; **B67D 1/08**

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

Citation (search report)
• [YPD] US 4357284 A 19821102 - SEDAM JASON K
• [YD] GB 2033333 A 19800521 - COCA COLA CO
• [Y] US 2750076 A 19560612 - FRANK WELTY, et al
• [A] US 4121507 A 19781024 - KUCKENS ALEXANDER
• [A] US 4008832 A 19770222 - RODTH JOSEPH JOHN
• [A] US 3685694 A 19720822 - IANELLI FRANK M
• [A] EP 0027880 A2 19810506 - BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
EP0320262A1; US6010043A

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