

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B67 OPENING OR CLOSING BOTTLES, JARS OR SIMILAR CONTAINERS; LIQUID HANDLING

**B67D DISPENSING, DELIVERING, OR TRANSFERRING LIQUIDS, NOT OTHERWISE PROVIDED FOR** (cleaning pipes or tubes or systems of pipes or tubes B08B 9/02; emptying or filling of bottles, jars, cans, casks, barrels, or similar containers, not otherwise provided for B67C; water supply E03; pipe systems F17D; domestic hot-water supply systems F24D; measuring volume, volume flow, mass flow or liquid level, metering by volume G01F; coin-freed or like apparatus G07F) [5]

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|------|---|------|---|
| 1/00 | <b>Apparatus or devices for dispensing beverages on draught</b> (B67D 3/00 takes precedence; apparatus for making beverages A47J 31/00) [3]   | 7/10 | • • • operated by keys, push-buttons or cash registers [2010.01]  |
| 1/02 | • Beer engines or like manually-operable pumping apparatus  | 7/12 | • • • operated by movement of delivery hose or nozzle or by devices associated therewith [2010.01]  |
| 1/04 | • Apparatus utilising compressed air or other gas acting directly or indirectly on beverages in storage containers  | 7/14 | • • • responsive to input of recorded programmed information, e.g. on punched cards [2010.01]   |
| 1/06 | • Mountings or arrangements of dispensing apparatus in or on shop or bar counters (shop or bar counters <i>per se</i> A47F 9/00)  | 7/16 | • • • Arrangements of liquid meters [2010.01]   |
| 1/07 | • Cleaning beverage-dispensing apparatus [5]  | 7/18 | • • • • of piston type [2010.01]  |
| 1/08 | • Details   | 7/20 | • • • • of rotary type [2010.01]  |
| 1/10 | • • Pump mechanisms (in general F04)  | 7/22 | • • • Arrangements of indicators or registers (indicating or recording in fluid meters G01F 15/06) [2010.01]                                      |
| 1/12 | • • Flow- or pressure-control devices or systems  | 7/24 | • • • • with means for producing or issuing a receipt or record of sale [2010.01]   |
| 1/14 | • • • Reducing valves or control taps   | 7/26 | • • • • with resetting or zeroing means [2010.01]   |
| 1/16 | • • Devices for collecting spilled beverages  | 7/28 | • • • with automatic means for reducing or intermittently interrupting flow before completion of delivery, e.g. to produce dribble feed [2010.01] |
| 3/00 | <b>Apparatus or devices for controlling flow of liquids under gravity from storage containers for dispensing purposes</b> (separating and dispensing metered quantities of liquids G01F)  | 7/30 | • • • with means for predetermining quantity of liquid to be transferred (B67D 7/10, B67D 7/14 take precedence) [2010.01]                         |
| 3/02 | • Liquid-dispensing valves having operating members arranged to be pressed upwards, e.g. by the rims of receptacles held below the delivery orifice   | 7/32 | • • Arrangements of safety or warning devices; Means for preventing unauthorised delivery of liquid [2010.01]                                     |
| 3/04 | • Liquid-dispensing taps or cocks adapted to seal and open tapping-holes of casks, e.g. for beer  | 7/34 | • • • Means for preventing unauthorised delivery of liquid [2010.01]  |
| 7/00 | <b>Apparatus or devices for transferring liquids from bulk storage containers or reservoirs into vehicles or into portable containers, e.g. for retail sale purposes</b> (general disposition of plant in stations for supplying fuel to vehicles B60S 5/02; for filling or emptying locomotive water tanks, e.g. water columns, B61K 11/00; for refuelling aircraft during flight B64D 39/00; liquid-handling ground installations specially adapted for fuelling stationary aircraft B64F 1/28) [2010.01] | 7/36 | • • Arrangements of flow- or pressure-control valves (associated with nozzles B67D 7/42) [2010.01]  |
| 7/02 | • for transferring liquids other than fuel or lubricants [2010.01]  | 7/38 | • • Arrangements of hoses, e.g. operative connection with pump motor (hoses in general F16L 11/00) [2010.01]                                      |
| 7/04 | • for transferring fuels, lubricants or mixed fuels and lubricants [2010.01]  | 7/40 | • • • Suspending, reeling or storing devices (supports for storing lengths of hoses, in general B65H 75/34) [2010.01]                             |
| 7/06 | • Details or accessories [2010.01]  | 7/42 | • • Filling nozzles [2010.01]   |
| 7/08 | • • Arrangements of devices for controlling, indicating, metering or registering quantity or price of liquid transferred (arrangement of flow- or pressure-control valves B67D 7/36; computing, calculating, counting G06; coin-freed apparatus for dispensing fluids G07F 13/00; prepayment devices for metering liquids G07F 15/00) [2010.01]   | 7/44 | • • • automatically closing [2010.01]   |
|      |   | 7/46 | • • • • when liquid in container to be filled reaches a predetermined level [2010.01]   |
|      |   | 7/48 | • • • • • by making use of air suction through an opening closed by the rising liquid [2010.01]   |
|      |   | 7/50 | • • • • and provided with an additional hand lever [2010.01]  |
|      |   | 7/52 | • • • • and provided with additional flow-controlling valve means [2010.01]   |

## B67D

- 7/54 • • • with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour (B67D 7/44 takes precedence) **[2010.01]**
- 7/56 • • Arrangements of flow-indicators, e.g. transparent compartments, windows, rotary vanes (indicating or recording presence, absence or direction of movement G01P 13/00) **[2010.01]**
- 7/58 • • Arrangements of pumps **[2010.01]**
- 7/60 • • • manually operable **[2010.01]**
- 7/62 • • • power operated **[2010.01]**
- 7/64 • • • • of piston type **[2010.01]**
- 7/66 • • • • of rotary type **[2010.01]**
- 7/68 • • • submerged in storage tank or reservoir **[2010.01]**
- 7/70 • • • of two or more pumps in series or parallel **[2010.01]**
- 7/72 • • Devices for applying air or other gas pressure for forcing liquid to delivery point **[2010.01]**
- 7/74 • • Devices for mixing two or more different liquids to be transferred (coin-freed apparatus G07F 13/06) **[2010.01]**
- 7/76 • • Arrangements of devices for purifying liquids to be transferred, e.g. of filters, of air or water separators **[2010.01]**
- 7/78 • • Arrangements of storage tanks, reservoirs or pipelines **[2010.01]**
- 7/80 • • Arrangements of heating or cooling devices for liquids to be transferred **[2010.01]**
- 7/82 • • • Heating only **[2010.01]**
- 7/84 • • Casings, cabinets or frameworks; Trolleys or like movable supports **[2010.01]**
- 7/86 • • Illuminating arrangements **[2010.01]**
- 9/00 Apparatus or devices for transferring liquids when loading or unloading ships (ship-based equipment B63B 27/00) [2010.01]**
- 9/02 • using articulated pipes **[2010.01]**
- 99/00 Subject matter not provided for in other groups of this subclass [2010.01]**