

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](#))

Definition statement

This place covers:

- Dispensing devices whereby beverages are dispensed from a tap or nozzle.
- Fuel dispensing devices, wherein the fuel is liquid at ambient temperature and atmospheric pressure.
- All liquid dispensing devices which are not classified in a subclass different than [B67D](#).

Relationships with other classification places

Components or details (e.g. pumps, carbonators, cooling or heating arrangements etc...) of the devices are classified in [B67D](#) if those details are relevant for their structural association with the apparatus.

Components or details are NOT classified in [B67D](#) when for these aspects a (sub)group is provided in a subclass different than [B67D](#) (e.g. control taps for draught beverage dispensing are classified in [B67D](#), domestic water taps, for which classification entries are present in the main group [E03C 1/00](#), are not classified in [B67D](#)).

References

Limiting references

This place does not cover:

Dispensing slush beverages or granitas or ice-cream	A23G 9/00
Wearable containers for sportsmen e.g. bicycle runners	A45F 3/00
Sauce, mustard or ketchup dispensers	A47G 19/183
Apparatus for preparing beverages which are hot (also including brewing), but not cold	A47J 31/00
Drinking devices to be installed in vehicles	B60N 3/18
Bottles or other containers with a particular pouring opening	B65D
Closures with discharging devices, wherein the dispensing device is part of a removable cap	B65D 47/00
Funnels	B67C 11/00
Water supply directly from water mains (e.g. water taps), drinking fountains	E03 , E03C 1/00
Liquefied pressurised or cryogenic gas dispensers	F17C 5/00
Domestic hot-water supply systems	F24D
Devices for dispensing containers (e.g. bottled or canned beverages or lubricants)	G07F 11/00

Coin-freed or like apparatus for beverages if the details are pertaining to vending operations, customer interfaces and if the selection of drinks is not strictly linked with the preparation of beverages	G07F 13/00 , G07F 15/00
---	---

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning pipes or tubes or systems of pipes or tubes	B08B 9/02
Opening of bottles, jars, cans, casks, barrels, or similar containers	B67B 7/00
Filling or opening of bottles, jars, cans, casks, barrels, or similar containers	B67C 3/00
Concurrent cleaning, filling and closing of bottles	B67C 7/00
Pipe systems	F17D
Measuring volume, volume flow, mass flow or liquid level, metering by volume	G01F

B67D 1/00

Apparatus or devices for dispensing beverages on draught ([B67D 3/00](#) takes precedence; apparatus for making beverages [A47J 31/00](#))

Definition statement

This place covers:

- Apparatus for non-gravity dispensing of beverages which are cold.
- Apparatus suitable for non-gravity dispensing of both hot and cold beverages.

References

Limiting references

This place does not cover:

Apparatus for gravity dispensing of beverages	B67D 3/00
---	---------------------------

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Carbonator	device for adding carbon-dioxide gas to a beverage
Faucet	tap
Figal	container with the capacity of five gallons
Python	bundle of flexible hoses for carrying a beverage
Spigo	tap, cock

B67D 1/0001

{by squeezing collapsible or flexible storage containers ([B67D 1/0462](#) takes precedence)}

Special rules of classification

When this is NOT done by some auxiliary fluid, but by e.g. rollers, pistons, etc...

B67D 1/0005

{the apparatus comprising means for automatically controlling the amount to be dispensed}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Metering techniques used to control flow	B67D 1/1202
Ratio control	B67D 1/1284
Measuring volume, volume flow, mass flow or liquid level; metering by volume	G01F

B67D 1/0014

{the beverage being supplied from water mains}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Water supply	E03
--------------	---------------------

B67D 1/0017

{the apparatus comprising means for automatically controlling the amount to be dispensed}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Measuring volume, flow, level; metering by volume	G01F
---	----------------------

B67D 1/0022

{the apparatus comprising means for automatically controlling the amount to be dispensed}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Measuring volume, flow, level; metering by volume	G01F
---	----------------------

B67D 1/0039

{the controls involving at least two different metering technics}

Definition statement

This place covers:

The controls of the amounts involve different metering techniques for different components.

B67D 1/0043

{Mixing devices for liquids}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Mixing devices	B67D 1/0042
Liquid mixing devices	A47J 31/402
Mixing	B01F 23/40 , B01F 35/00
Mixers	B01F 25/00 , B01F 27/00 , B01F 33/80

B67D 1/0057

{Carbonators}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Details of the carbonators in	B67D 1/0069 , B01F 23/20
Non-alcoholic beverages	A23L 2/00
Mixing gases with liquids by spraying:	B01F 23/213 , B01F 23/2132
By bubbling	B01F 23/231
Immersed stirrers	B01F 23/233

Surface aerating:	B01F 23/234
Using effervescence generating products:	B01F 23/236
Flow mixers	B01F 25/00

B67D 1/0058

{In-line carbonators}

Definition statement

This place covers:

Are those wherein the carbonation takes place during a linear flow of the liquid.

B67D 1/0078

{Ingredient cartridges}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients	A47J 31/40
Containers	B65D 85/00

Special rules of classification

When in relation to constructional features of the dispensing apparatus.

B67D 1/0081

{Dispensing valves}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Water taps	E03C 1/00
------------	---------------------------

B67D 1/04

Apparatus utilising compressed air or other gas acting directly or indirectly on beverages in storage containers

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pressurised rigid containers	B67D 2001/0822
Bag in box	B67D 2001/0827

Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00
--	---------------------------

Special rules of classification

When the compressed gas has ONLY the purpose of driving the beverage.

B67D 1/0406

{with means for carbonating the beverage, or for maintaining its carbonation
([B67D 1/0418](#) takes precedence)}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Means for maintaining its carbonation	B67D 1/0418
Mixing gases with liquids	B01F 23/20
Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00

B67D 1/0412

{the whole dispensing unit being fixed to the container}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Containers for delivering liquid by internal gas pressure	B65D 83/14
Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00

B67D 1/0418

{comprising a CO₂ cartridge for dispensing and carbonating the beverage}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Containers for delivering liquid by internal gas pressure	B65D 83/14
Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00

B67D 1/0425**{comprising an air pump system}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Pumps driven by steam or air	F04B 9/12
------------------------------	---------------------------

B67D 1/0443**{comprising a gas generator (apparatus for generating gases in general [B01J 7/00](#))}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Apparatus for generating gases	B01J 7/00
Containers for delivering liquid by internal gas pressure, for delivering liquid by internal gas pressure	B65D 83/14

B67D 1/0456**{Siphons, i.e. beverage containers under gas pressure without supply of further pressurised gas during dispensing}****Special rules of classification**

This subgroup contains also Selz bottles.

B67D 1/0462**{Squeezing collapsible or flexible beverage containers, e.g. bag-in-box containers}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Replaceable containers for liquid components	B67D 1/0801
Pressure vessels in general	F17C 1/00

B67D 1/07

Cleaning beverage-dispensing apparatus {([B67D 1/0834](#), [B67D 1/0837](#) take precedence)}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Disinfecting	A61L 2/00
Washing or cleaning mixers with a jet of fluid;	B01F 35/145
Accessories for mixers-washing or cleaning using a fluid	B01F 35/1452
Cleaning hollow articles by flushing using pressurised fluid	B01F 35/1453
Cleaning pipes or tubes;	B08B 9/02
Cleaning hollow articles using fluid;	B08B 9/0321
Cleaning of bottle-filling devices	B67C 3/001

B67D 1/0801

{of beverage containers, e.g. casks, kegs}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Component storage means	B67D 2001/0091
Casks, kegs	B65D 11/08 , B65D 7/045

B67D 1/0829

{Keg connection means}

Special rules of classification

Many of documents in [B67D 1/0829](#) and subgroups relate to connection means for inverted bottles.

B67D 1/0857

{Cooling arrangements (cooling systems per se [F25B](#))}

Definition statement

This place covers:

This group also contains cold plates.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cooling systems per se	F25B
Liquid coolers	F25D 31/002
Heat exchangers	F28D

B67D 1/0865

{by circulating a cooling fluid along beverage supply lines, e.g. pythons}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Mechanical hand-held gun type valves	B67D 1/0084
Electro-mechanical hand-held gun type valves	B67D 1/0086
Multi-channel hoses	F16L 11/22
Heating or cooling pipes or pipe-systems	F16L 53/00

B67D 1/0867

{the cooling fluid being a liquid}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Liquid coolers	F25D 31/002
----------------	-----------------------------

B67D 1/0869

{using solid state elements, e.g. Peltier cells}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Machines, plant, or systems using Peltier effect; using Nernst-Ettinghausen effect	F25B 21/02
Cooling or freezing apparatus specially adapted for cooling bottles or cans	F25D 31/007

B67D 1/0871

{Level gauges for beverage storage containers (level indicators in general [G01F](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Fluid level control devices	B67D 1/12
Indicating or measuring liquid level (details of gauge)	G01F 23/00

B67D 1/0877

{Advertising means (advertising in general [G09F](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Advertising	G09F
-------------	----------------------

B67D 1/0878

{Safety, warning or controlling devices ([B67D 1/12](#) takes precedence)}

References**Limiting references**

This place does not cover:

Flow or pressure control devices or systems	B67D 1/12
---	---------------------------

B67D 1/0884

{Means for controlling the parameters of the state of the liquid to be dispensed, e.g. temperature, pressure}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Pressure gauge	B67D 1/1222
Gas pressure control devices	B67D 1/1252
Temperature control	B67D 2210/00099

B67D 1/0885

{Means for dispensing under specific atmospheric conditions, e.g. under inert gas}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Devices for creating vacuum in food containers, e.g. wine bottles:	B65B 31/047 , B65D 81/2038
--	---

B67D 1/0888

{Means comprising electronic circuitry (e.g. control panels, switching or controlling means)}

Definition statement

This place covers:

E.g. control panels, switching or controlling means.

B67D 1/12

Flow or pressure control devices or systems {, e.g. valves, gas pressure control, level control in storage containers}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Metering techniques to control flow	B67D 1/1202
Control of flow in general	G05D 7/00
Control of level in general	G05D 9/00

B67D 1/1238

{comprising means for detecting the liquid level in vessels to be filled, e.g. using ultrasonic waves, optical reflexion, probes}

Definition statement

This place covers:

Flow control using flow or pressure sensors, e.g. for controlling pumps.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Measuring volume, volume flow, mass flow or liquid level; metering by volume	G01F
--	----------------------

B67D 1/125**{Safety means, e.g. over-pressure valves}****Definition statement***This place covers:*

Safety devices for flow control in beverage dispensing devices.

References**Limiting references***This place does not cover:*

This group does not cover safety devices for other purposes, which are classified in	B67D 1/0878
--	-----------------------------

B67D 1/1256**{Anti-dripping devices (drip trays [B67D 1/16](#))}****References****Limiting references***This place does not cover:*

Drip trays	B67D 1/16
Valves for preventing dripping from nozzles	F16K 23/00

B67D 1/127**{Froth control ([B67D 1/1411](#) takes precedence)}****References****Limiting references***This place does not cover:*

Froth control when obtained by control taps	B67D 1/1411
---	-----------------------------

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Means for controlling the build-up of foam in the container to be filled	B67D 1/1411
Preparation of foamed food:	A23P 30/40

B67D 1/14**Reducing valves or control taps****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Valves	B67D 2001/0093
--------	--------------------------------

Special rules of classification

Control taps are to be classified in [B67D 1/1405](#) and subgroups.

B67D 1/1405**{Control taps}****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Reducing valves or control taps	B67D 1/14
Valves	F16K

B67D 1/1411**{Means for controlling the build-up of foam in the container to be filled}****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Means for controlling the build-up of foam in the container to be filled	B67D 1/08 , B67D 1/1411
Froth control	B67D 1/127

B67D 1/1416**{comprising foam inducing means}****References****Limiting references**

This place does not cover:

Means for inducing foam in the container to be filled	B67D 1/1416
---	-----------------------------

B67D 1/1461**{the valve shutter being integral with a compensator}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Taps with means for adjusting the position of a compensator from outside	B67D 2001/1494
--	--------------------------------

B67D 1/1472**{the valve shutter being integral with a compensator}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Taps with means for adjusting the position of a compensator from outside	B67D 2001/1494
--	--------------------------------

B67D 3/00**Apparatus or devices for controlling flow of liquids under gravity from storage containers for dispensing purposes (separating and dispensing metered quantities of liquids [G01F](#))****Definition statement***This place covers:*

- Apparatus for gravity dispensing of cold beverages;
- apparatus suitable for gravity dispensing of both hot and cold beverages.

References**Limiting references***This place does not cover:*

Dispensing of beverages involving a pumping means or a gas pressure, or from a pressurised line such as water mains	B67D 1/00
---	---------------------------

B67D 3/0009**{provided with cooling arrangements (cooling per se [F25](#))}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Liquid coolers	F25D 31/002
Cooling or freezing apparatus specially adapted for cooling bottles or cans	F25D 31/007

B67D 3/0019**{using ingredient cartridges}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Apparatus for making beverages with ingredient-containing cartridges; cartridge-perforating means	A47J 31/407
---	-----------------------------

B67D 3/0029**{provided with holders for bottles or similar containers}****Definition statement***This place covers:*

This group does also cover apparatus provided with holders for pouches, bags and similar containers.

This group does also cover apparatus provided with holders for bottles or similar containers being held upside down and provided with a closure, but with no constructional details specified.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Hole-piercing devices	B67B 7/28
-----------------------	---------------------------

B67D 3/0032**{the bottle or container being held upside down and provided with a closure, e.g. a cap, adapted to cooperate with a feed tube}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Caps	B65D 41/00
Closures with filling and discharging, or with discharging, devices	B65D 47/00
Packages formed by enclosing articles or materials in preformed containers	B65D 77/00
Housing	L67D1/00Y10

Special rules of classification

This document also covers details of the cap only.

B67D 3/0041**{with provisions for metering the liquid to be dispensed}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Apparatus requiring external operation and adapted at each repeated and identical operation to measure and separate a predetermined volume of fluid or fluent solid material from a supply or container without regard to weight and to deliver it wherein the measuring chamber is filled and emptied by tilting or inverting the supply vessel, e.g. bottle emptying apparatus	G01F 11/26
--	----------------------------

B67D 3/0083**{for the liquid container}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Other supports for positioning apparatus or articles	F16M 13/00
--	----------------------------

B67D 3/04**Liquid-dispensing taps or cocks adapted to seal and open tapping holes of casks, e.g. for beer {(closures with filling and discharging devices for containers [B65D 47/00](#))}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Closures with filling and discharging devices for containers	B65D 47/00
Valves, taps, cocks	F16K

B67D 7/00

Apparatus or devices for transferring liquids from bulk storage containers or reservoirs into vehicles or into portable containers, e.g. for retail sale purposes (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](#))

Definition statement

This place covers:

- apparatus for dispensing of fuel from containers into vehicles.
- apparatus for dispensing of fuel from vehicles (e.g. tank trucks) into containers.
- loading arms.
- apparatus for dispensing detergents for cleaning buildings.
- spouts.
- arrangements of pumps.
- apparatus or devices for transferring liquids to or from ships.

References

Limiting references

This place does not cover:

Apparatus for dispensing beverages	B67D 1/00 , B67D 3/00
Apparatus or devices for transferring liquids when loading or unloading ships	B67D 9/00
Ice-cream, sorbet, sherbet and granita dispensers	A23G
Mustard or ketchup dispensers	A47G 19/183
Soap dispensers	A47K 5/00
Spraying apparatuses	B05B 11/00
Glue dispensers	B05C
General disposition of plant in stations for supplying fuel to vehicles	B60S 5/02
Filling or emptying locomotive water tanks, e.g. water columns	B61K 11/00
Apparatus for refuelling aircraft during flight	B64D 39/00
Ground installations specially adapted for fuelling stationary aircraft	B64F 1/28
Containers with special means for dispensing contents	B65D 83/00
Fuel jerrycans	F16N 3/04

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus for mixing paints	B44D 3/06
Investigating fluid-tightness of structures	G01M 3/00

B67D 7/005**{Spouts}****Definition statement***This place covers:*

This group also covers spouts for fuel dispensing e.g. from hand-held containers or into railway wagons and tank-wagons; loading arms.

References**Limiting references***This place does not cover:*

Nozzles and spouts for commercial fuel dispensers	B67D 7/42
---	---------------------------

B67D 7/02**for transferring liquids other than fuel or lubricants****Definition statement***This place covers:*

E.g. for detergents for cleaning buildings; dispensing liquids into railway wagons and tank-wagons; loading arms.

B67D 7/0205

{by manually operable pumping apparatus (hand-held apparatus with pumps for dispensing or spraying liquids or fluent materials [B05B 11/00](#))}

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Mustard and ketchup hand-pump dispensers	A47G 19/00
Soap dispensers	A47K 5/00
Single-unit hand-held apparatus in which flow of contents is produced by the muscular force of the operator at the moment of use	B05B 11/00

B67D 7/0211**{with pump locking means}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Means for locking a pump or its actuation means in a fixed position	B05B 11/1059
---	------------------------------

B67D 7/0227**{by an ejection plunger ([B67D 7/0238](#) takes precedence)}****Definition statement***This place covers:*

E.g. follower plates.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Arrangements of power-operated pumps	B67D 7/62
Apparatus in which liquid or other fluent material is applied to the surface of the work by contact with a member carrying the liquid or other fluent material: component parts	B05C 11/00

B67D 7/04**for transferring fuels, lubricants or mixed fuels and lubricants****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Arrangements of power-operated pumps	B67D 7/62
Apparatus in which liquid or other fluent material is applied to the surface of the work by contact with a member carrying the liquid or other fluent material: component parts	B05C 11/00
Fuel tank details in connection w. dispensers	B60K 15/00
Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs	G07F 13/00

B67D 7/0401**{arrangements for automatically fuelling vehicles, i.e. without human intervention}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Apparatus and devices for transferring fuels, lubricants or mixed fuels and lubricants	B67D 7/04
--	---------------------------

B67D 7/0476**{Vapour recovery systems}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Condensation of vapours	B01D 5/00
-------------------------	---------------------------

B67D 7/0488**{Means for preventing the formation of condensation on, or for removing condensation from, vapour recovery lines}****Special rules of classification**

Also recovered vapour condensers.

B67D 7/0496**{Performance test devices therefor}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Vapour recovery systems, constructional features or components	B67D 7/0478
--	-----------------------------

B67D 7/061**{Means for transferring liquids from a chosen level of a storage container}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Control of flow without auxiliary power	G05D 7/01
---	---------------------------

B67D 7/062**{from the free surface level of the liquid}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Control of flow without auxiliary power	G05D 7/01
---	---------------------------

B67D 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](#))

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Measuring volume or indicating or recording in connection with measuring in general	G01D
Measuring volume or volume flow in general	G01F
Counting mechanisms per se	G06M
Transactions between vehicles and fuel dispensers	G07F 5/18
Coin-freed apparatus for controlling dispensing or fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	G07F 13/025

B67D 7/14

responsive to input of recorded programmed information, e.g. on punched cards

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Mechanisms actuated by means, e.g. cards, providing billing information at the time of purchase to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus	G07F 7/025
Coin-freed apparatus for controlling dispensing or fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	G07F 13/025

Special rules of classification

Also on credit cards, smart cards or the like. Payment with credit cards.

B67D 7/145

{by wireless communication means, e.g. RF, transponders or the like}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Protocols for network applications	H04L 67/00
------------------------------------	----------------------------

B67D 7/16**Arrangements of liquid meters****References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Volumetric metering: Apparatus requiring external operation and adapted at each repeated and identical operation to measure and separate a predetermined volume of fluid or fluent solid material from a supply or container without regard to weight and to deliver it	G01F 11/00
Details of, or accessories for, apparatus of the preceding groups insofar as such details or appliances are not adapted to particular types of such apparatus	G01F 15/00

B67D 7/163

{of fixed measuring chamber type}

Special rules of classification

Technology mainly applied in the 1930's.

B67D 7/166

{comprising at least two chambers}

Definition statement

This place covers:

One chamber emptied while other is being filled;

Special rules of classification

Technology mainly applied in the 1940's.

B67D 7/22

Arrangements of indicators or registers (indicating or recording in fluid meters [G01F 15/06](#))

References***Informative references***

Attention is drawn to the following places, which may be of interest for search:

Devices providing for temperature compensation	G01F 15/024
--	-----------------------------

B67D 7/32

Arrangements of safety or warning devices; Means for preventing unauthorised delivery of liquid

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Larm arrangements in general	G08B
------------------------------	----------------------

Special rules of classification

Assuming that the correct liquid is dispensed (e.g. by means of compatible coupling or complementary shape). Avoiding tampering or cheating.

B67D 7/3209

{relating to spillage or leakage, e.g. spill containments, leak detection (leak detectors for underground fuel dispensing systems [G01M 3/2892](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Overfill prevention	B65D 90/26
Of leakage-indicating devices comprising hollow spaces within walls under pressure or vacuum	B65D 90/503
Investigating fluid-tightness of structures by detecting the presence of fluid at the leakage point	G01M 3/04
For pipes, cables or tubes; for pipe joints or seals; for valves	G01M 3/18

B67D 7/3218

{relating to emergency shut-off means}

Definition statement

This place covers:

E.g. shear valves, breakaway couplings.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shear valves also in safety valves actuated in consequence of extraneous circumstances, e.g. shock, change of position	F16K 17/36
Safety valves actuated in consequence of extraneous circumstances, e.g. excessive temperature	F16K 17/38

Safety valves with a fracturing member, e.g. fracturing diaphragm, glass, fusible joint	F16K 17/40
---	----------------------------

B67D 7/3236

{relating to electrostatic charges}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements for carrying off, or preventing the formation of electrostatic charges	B65D 90/00
---	----------------------------

B67D 7/348

{by interrogating an information transmitter, e.g. a transponder ([B67D 7/145](#) takes precedence)}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details of, or arrangements associated with, aerials by structural association with other equipment or articles	H01Q 1/02
Details of, or arrangements associated with, aerials Adaptation for use in or on movable bodies	H01Q 1/27
Radio transmission systems	H04B 7/00
Transmission control procedure: Protocols for network applications	H04L 67/00

B67D 7/42

Filling nozzles

References

Limiting references

This place does not cover:

nozzles in general	B05B
fluid-delivering valves in general	F16K 21/00 , F16L , B01F

Informative references

Attention is drawn to the following places, which may be of interest for search:

Sealing devices, e.g. bellows	B67D 7/54
LPG nozzles	F17C 5/00

B67D 7/421

{comprising protective covers, e.g. anti-splash attachments}

Special rules of classification

Also drip collectors.

B67D 7/423

{specially adapted for blending several fluids (mixing devices [B67D 7/74](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Mixing liquids to be transferred	B67D 7/74
----------------------------------	---------------------------

B67D 7/426

{including means for displaying information, e.g. for advertising ([B67D 7/425](#) takes precedence)}

Definition statement

This place covers:

Simple displays for images and text.

References**Limiting references**

This place does not cover:

Filling nozzles with simple LED indicators:	B67D 7/425
---	----------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Labels, tag tickets, or similar identification or indication means	G09F 3/00
--	---------------------------

B67D 7/50

and provided with an additional hand lever

Definition statement

This place covers:

Accessories for keeping the hand lever triggered.

B67D 7/54

with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour ([B67D 7/44](#) takes precedence)

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Filing nozzles with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour	B67D 7/54
--	---------------------------

B67D 7/58

Arrangements of pumps

References**Limiting references**

This place does not cover:

Arrangements of pumps for other liquids	B67D 7/02
---	---------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Positive displacement pumps	F04B
-----------------------------	----------------------

Special rules of classification

For fuels and lubricants only.

B67D 7/60

manually operable

Special rules of classification

For fuels and lubricants only: arrangements for other liquids should be classified in [B67D 7/0205](#) and subgroups.

B67D 7/62

power operated

Special rules of classification

Also for emptying tank trucks; also for follower plates.

B67D 7/68

submerged in storage tank or reservoir

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Electrically driven pumping installations or systems for submerged use	F04D 13/08
--	----------------------------

B67D 7/74

Devices for mixing two or more different liquids to be transferred (coin-freed apparatus [G07F 13/06](#))

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Devices for mixing liquids to be transferred	B67D 7/74
Coin-freed apparatus	G07F 13/06

B67D 7/76

Arrangements of devices for purifying liquids to be transferred, e.g. of filters, of air or water separators

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Filtration, separation, in general	B01D
------------------------------------	----------------------

B67D 7/78

Arrangements of storage tanks, reservoirs or pipe-lines

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Apparatus or devices for transferring fuels, lubricants or mixed fuels and lubricants	B67D 7/04
Spill sumps	B67D 7/3209
Arrangements of flow- or pressure-control valves	B67D 7/36
Arrangements of pumps of piston type	B67D 7/64
Supplying fuel to vehicles, general disposition of plant in service stations	B60S 5/02

Large containers	B65D 88/00
Accessories for large containers	B65D 90/10
Accessories for buried containers	B65D 90/105
Spillage retaining means	B65D 90/24
Manhole shafts and access chambers	E02D 29/12
Sewers	E03F 3/04 , E03F 5/02
Devices for passing cables through walls:	F16L 5/00
Manifolds for chemical and beverage industry such as breweries:	G01F 1/00
Installations of electric cables or lines in or on the ground or water in cable chambers	H02G 9/10

B67D 7/845

{Trolleys or like movable supports}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hand carts	B62B 1/00
Lubricant filling or draining	F01M 11/04
Apparatus with hand-positioned nozzle supplied with lubricant under pressure	F16N 5/00

B67D 9/00

Apparatus or devices for transferring liquids when loading or unloading ships (ship-based equipment [B63B 27/00](#))

Definition statement

This place covers:

Devices and apparatus involving hoses, pipes or couplings, specially designed for loading and unloading ships.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Loading or unloading fluids on ships	B63B 27/24
--------------------------------------	----------------------------

B67D 9/02

using articulated pipes

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Dispensing using articulated pipes	B67D 7/002
Filling nozzles	B67D 7/42

B67D 99/00

Subject matter not provided for in other groups of this subclass

Definition statement

This place covers:

Subject-matter related to dispensing, delivering or transferring liquids not provided for in specific application groups nor in any other group of [B67D](#).