

CPC COOPERATIVE PATENT CLASSIFICATION

F17C VESSELS FOR CONTAINING OR STORING COMPRESSED, LIQUEFIED OR SOLIDIFIED GASES; FIXED-CAPACITY GAS-HOLDERS; FILLING VESSELS WITH, OR DISCHARGING FROM VESSELS, COMPRESSED, LIQUEFIED, OR SOLIDIFIED GASES (storing fluids in natural or artificial cavities or chambers in the earth [B65G 5/00](#); construction or assembling of bulk storage containers employing civil-engineering techniques [E04H 7/00](#); variable-capacity gas-holders [F17B](#); liquefaction or refrigeration machines, plants, or systems [F25](#))

1/00	Pressure vessels, e.g. gas cylinder, gas tank, replaceable cartridge (pressurised apparatus for purposes other than storage, see the relevant subclasses such as A62C , B05B ; associated with vehicles, see the appropriate subclass of classes B60 - B64 ; pressure vessels in general F16J 12/00 ; {autoclaves B01J 3/04 ; tank vehicles B60P 3/22 ; railway tank wagons for carrying fluent materials B61D 5/00 ; accumulators for supplying fluid under pressure F15B 1/04 ; liquified gas stoves F24C 3/00 })	3/08	. . by vacuum spaces, e.g. Dewar flask (for household use A47J 41/02)
		3/085	. . . {Cryostats}
1/002	. {Storage in barges or on ships}	3/10	. . by liquid-circulating or vapour-circulating jackets
1/005	. {Storage of gas or gaseous mixture at high pressure and at high density condition, e.g. in the single state phase}	3/12	. with provision for protection against corrosion, e.g. due to gaseous acid (protection against corrosion in general C23F)
1/007	. {Underground or underwater storage}	5/00	Methods or apparatus for filling containers with liquefied, solidified, or compressed gases under pressures (adding propellants to aerosol containers B65B 31/00)
1/02	. involving reinforcing arrangements ({ F17C 1/14 , F17C 1/16 take precedence})		NOTE
1/04	. . Protecting sheathings		This group includes not only the filling of vessels for storage of compressed or liquefied gases, but also the filling of pressurised apparatus insofar as it is not covered by a single other subclass, e.g. A62C , B05B .
1/06	. . . Built-up from wound-on bands or filamentary material, e.g. wires	5/002	. {Automated filling apparatus}
1/08	. . Integral reinforcements, e.g. ribs	5/005	. . {for gas bottles, such as on a continuous belt or on a merry-go-round}
1/10	. with provision for protection against corrosion, e.g. due to gaseous acid ({ F17C 1/14 , F17C 1/16 take precedence}; inhibiting corrosion of metallic material or incrustation in general C23F)	5/007	. . {for individual gas tanks or containers, e.g. in vehicles (filling with liquid fuel not under pressure, B60S 5/02 , B67D 7/00)} 5/02 . for filling with liquefied gases 5/04 . . requiring the use of refrigeration, e.g. filling with helium or hydrogen 5/06 . for filling with compressed gases
1/12	. with provision for thermal insulation ({ F17C 1/14 , F17C 1/16 take precedence}; thermal insulation in general F16L 59/00)	6/00	Methods and apparatus for filling vessels not under pressure with liquefied or solidified gases
1/14	. constructed of aluminium; constructed of non-magnetic steel	7/00	Methods or apparatus for discharging liquefied, solidified, or compressed gases from pressure vessels, not covered by another subclass
1/16	. constructed of plastics materials ({shaping of plastics B29C })	7/02	. Discharging liquefied gases
3/00	Vessels not under pressure	7/04	. . with change of state, e.g. vaporisation
3/005	. {Underground or underwater containers or vessels (storing in natural or artificial cavities in the earth in general B65G 5/00)} 3/02 . with provision for thermal insulation (thermal insulation in general F16L 59/00 {refrigerators F25D ; insulation specially adapted for cryogenic vessels F17C 13/001 ; tank vehicles B60P 3/22 ; railway tank wagons B61D 5/00 }) 3/022 . . {Land-based bulk storage containers (civil engineering aspects E04H 7/00)} 3/025 . . {Bulk storage in barges or on ships (constructive aspects B63B 25/16)} 3/027 . . . {Wallpanels for so-called membrane tanks} 3/04 . . by insulating layers (F17C 3/08 takes precedence) 3/06 . . . on the inner surface, i.e. in contact with the stored fluid	9/00	Methods or apparatus for discharging liquefied or solidified gases from vessels not under pressure 9/02 . with change of state, e.g. vaporisation 9/04 . . Recovery of thermal energy
		11/00	Use of gas-solvents or gas-sorbents in vessels ({absorbing compositions for acetylene C10L 3/04 ; absorbing compositions for hydrogen C01B 3/0005 }) 11/002 . {for acetylene} 11/005 . {for hydrogen} 11/007 . {for hydrocarbon gases, such as methane or natural gas, propane, butane or mixtures thereof [LPG]}

13/00	Details of vessels or of the filling or discharging of vessels	2201/01	. Shape
13/001	. {Thermal insulation specially adapted for cryogenic vessels (vessels not under pressure with insulation F17C 3/02 ; thermal insulation in general F16L 59/00)}	2201/0104	. . cylindrical
13/002	. {for vessels under pressure (F17C 13/008 and F17C 13/02 - F17C 13/12 take precedence)}	2201/0109	. . . with exteriorly curved end-piece
13/003	. . {Means for coding or identifying them and/or their contents}	2201/0114	. . . with interiorly curved end-piece
13/004	. {for large storage vessels not under pressure (F17C 13/008 and F17C 13/02 - F17C 13/12 take precedence)}	2201/0119	. . . with flat end-piece
13/005	. {for medium-size and small storage vessels not under pressure (F17C 13/008 and F17C 13/02 - F17C 13/12 take precedence)}	2201/0123	. . . with variable thickness or diameter
13/006	. . {for Dewar vessels or cryostats}	2201/0128	. . spherical or elliptical
13/007	. . . {used for superconducting phenomena (investigating by nuclear magnetic resonance G01N 24/08 ; magnets having superconductive winding H01F 6/00)}	2201/0133	. . toroidal
13/008	. {for use under microgravity conditions}	2201/0138	. . tubular
13/02	. Special adaptations of indicating, measuring, or monitoring equipment (measuring in general G01)	2201/0142	. . conical
13/021	. . {having the height as the parameter}	2201/0147	. . complex
13/023	. . {having the mass as the parameter}	2201/0152	. . . Lobes
13/025	. . {having the pressure as the parameter}	2201/0157	. . . Polygonal
13/026	. . {having the temperature as the parameter}	2201/0161	. . . Honeycomb
13/028	. . {having the volume as the parameter}	2201/0166	. . . divided in several chambers
13/04	. Arrangement or mounting of valves (valves per se F16K ; {snap-coupling of nipples F16L 37/00 })	2201/0171	. . . comprising a communication hole between chambers
13/045	. . {Automatic change-over switching assembly for bottled gas systems with two (or more) gas containers}	2201/0176	. . variable
13/06	. Closures, e.g. cap, breakable member ({for autoclaves B01J 3/03 }; closures for {large} containers in general B65D { B65D 90/54 }; {for pressure vessels in general F16J 13/00 })	2201/018	. . . with bladders
13/08	. Mounting arrangements for vessels	2201/0185	. . . with separating membrane
13/081	. . {for large land-based storage vessels (supports for large containers in general B65D 90/12)}	2201/019	. . . with pistons
13/082	. . {for large sea-borne storage vessels (load-accomodating arrangements for ships or waterborne vessels B63B 25/12)}	2201/0195	. . . with bellows
13/083	. . {for medium-sized mobile storage vessels, e.g. tank vehicles or railway tank vehicles}	2201/03	. Orientation
13/084	. . {for small-sized storage vessels, e.g. compressed gas cylinders or bottles, disposable gas vessels, vessels adapted for automotive use}	2201/032	. . with substantially vertical main axis
13/085	. . . {on wheels (hand carts B62B)}	2201/035	. . with substantially horizontal main axis
13/086	. . {for Dewar vessels or cryostats}	2201/037	. . with sloping main axis
13/087	. . . {used for superconducting phenomena}	2201/05	. Size
13/088	. . {for use under microgravity conditions}	2201/052	. . large (>1000 m3)
13/10	. Arrangements for preventing freezing	2201/054	. . medium (>1 m3)
13/12	. Arrangements or mounting of devices for preventing or minimising the effect of explosion (flame traps A62C 4/00 ; {Other safety measures})	2201/056	. . Small (<1 m3)
13/123	. . {for gas bottles, cylinders or reservoirs for tank vehicles or for railway tank wagons}	2201/058	. . portable (<30 l)
13/126	. . {for large storage containers for liquefied gas (for large containers in general B65D 90/22)}	2201/06	. Vessel construction using filling material in contact with the handled fluid
2201/00	Vessel construction, in particular geometry, arrangement or size	2203/00	Vessel construction, in particular walls or details thereof
		2203/01	. Reinforcing or suspension means
		2203/011	. . Reinforcing means
		2203/012	. . . on or in the wall, e.g. ribs
		2203/013	. . . in the vessel, e.g. columns
		2203/014	. . Suspension means
		2203/015	. . . Bars
		2203/016	. . . Cords
		2203/017	. . . Magnetic means
		2203/018	. . . by attachment at the neck
		2203/03	. Thermal insulations
		2203/0304	. . by solid means
		2203/0308	. . . Radiation shield
		2203/0312	. . . . cooled by external means
		2203/0316	. . . . cooled by vaporised gas from the interior
		2203/032	. . . . Multi-sheet layers
		2203/0325	. . . Aerogel
		2203/0329	. . . Foam
		2203/0333	. . . . Polyurethane
		2203/0337	. . . Granular
		2203/0341	. . . . Perlite
		2203/0345	. . . Fibres
		2203/035	. . . . Glass wool
		2203/0354	. . . Wood
		2203/0358	. . . in form of panels
		2203/0362	. . by liquid means
		2203/0366	. . . Cryogen

2203/037	. . . Water	2205/0134	. . . . characterised by the presence of fluid connection between vessels
2203/0375	. . by gas	2205/0138	. . . . . bundled in series
2203/0379	. . . Inert	2205/0142	. . . . . bundled in parallel
2203/0383	. . . Air	2205/0146	. . . . . with details of the manifold
2203/0387	. . . Cryogen	2205/0149	. . . . . Vessel mounted inside another one
2203/0391	. . by vacuum	2205/0153	. . Details of mounting arrangements
2203/0395	. . . Getter	2205/0157	. . . for transport
2203/06	. Materials for walls or layers thereof; Properties or structures of walls or their materials	2205/0161	. . . . with wheels
2203/0602	. . Wall structures; Special features thereof	2205/0165	. . . . with handgrip
2203/0604	. . . Liners	2205/0169	. . . . stackable
2203/0607	. . . Coatings	2205/0173	. . . . lockable
2203/0609	. . . Straps, bands or ribbons	2205/0176	. . . with ventilation
2203/0612	. . . Wall structures	2205/018	. . . Supporting feet
2203/0614	. . . . Single wall	2205/0184	. . . Attachments to the ground, e.g. mooring or anchoring
2203/0617	. . . . . with one layer	2205/0188	. . . Hanging up devices
2203/0619	. . . . . with two layers	2205/0192	. . . with external bearing means
2203/0621	. . . . . with three layers	2205/0196	. . . with shock absorbing means
2203/0624	. . . . . with four or more layers	2205/03	. Fluid connections, filters, valves, closure means or other attachments
2203/0626	. . . . Multiple walls	2205/0302	. . Fittings, valves, filters, or components in connection with the gas storage device
2203/0629	. . . . . Two walls	2205/0305	. . . Bosses, e.g. boss collars
2203/0631	. . . . . Three or more walls	2205/0308	. . . Protective caps
2203/0634	. . Materials for walls or layers thereof	2205/0311	. . . Closure means
2203/0636	. . . Metals	2205/0314	. . . . breakable, e.g. with burst discs
2203/0639	. . . . Steels	2205/0317	. . . . fusing or melting
2203/0641	. . . . . Non-magnetic steels	2205/032	. . . . pierceable
2203/0643	. . . . . Stainless steels	2205/0323	. . . Valves
2203/0646	. . . . Aluminium	2205/0326	. . . . electrically actuated
2203/0648	. . . . Alloys or compositions of metals	2205/0329	. . . . manually actuated
2203/0651	. . . . . Invar	2205/0332	. . . . Safety valves or pressure relief valves
2203/0653	. . . . Lead	2205/0335	. . . . Check-valves or non-return valves
2203/0656	. . . . in form of filaments	2205/0338	. . . Pressure regulators
2203/0658	. . . Synthetics	2205/0341	. . . Filters
2203/066	. . . . Plastics	2205/0344	. . . . Sinter type
2203/0663	. . . . in form of fibers or filaments	2205/0347	. . . . Active charcoal type
2203/0665	. . . . . radially wound	2205/035	. . . Flow reducers
2203/0668	. . . . . axially wound	2205/0352	. . . Pipes
2203/067	. . . . . helically wound	2205/0355	. . . . Insulation thereof
2203/0673	. . . . . Polymers	2205/0358	. . . . coaxial
2203/0675	. . . . with details of composition	2205/0361	. . . . corrugated
2203/0678	. . . Concrete	2205/0364	. . . . flexible or articulated, e.g. a hose
2203/068	. . Special properties of materials for vessel walls	2205/0367	. . . . Arrangements in parallel
2203/0682	. . . with liquid or gas layer	2205/037	. . . Quick connecting means, e.g. couplings
2203/0685	. . . flexible	2205/0373	. . . . Adapters
2203/0687	. . . superconducting	2205/0376	. . . Dispensing pistols
2203/069	. . . Break point in the wall	2205/0379	. . . Manholes or access openings for human beings
2203/0692	. . . transparent	2205/0382	. . . Constructional details of valves, regulators
2203/0695	. . . pre-constrained	2205/0385	. . . . in blocks or units
2203/0697	. . . comprising nanoparticles	2205/0388	. . . Arrangement of valves, regulators, filters
2205/00	Vessel construction, in particular mounting arrangements, attachments or identifications means	2205/0391	. . . inside the pressure vessel
2205/01	. Mounting arrangements	2205/0394	. . . in direct contact with the pressure vessel
2205/0103	. . Exterior arrangements	2205/0397	. . . . on both sides of the pressure vessel
2205/0107	. . . Frames	2205/05	. Vessel or content identifications, e.g. labels
2205/0111	. . . Boxes	2205/051	. . by coating
2205/0115	. . . Dismountable protective hulls	2205/052	. . by stickers
2205/0119	. . . Vessel walls form part of another structure	2205/054	. . by bar codes
2205/0123	. . characterised by number of vessels	2205/055	. . by magnetic means
2205/0126	. . . One vessel	2205/057	. . by chips
2205/013	. . . Two or more vessels		

2205/058 . . by Radio Frequency Identification

2209/00 Vessel construction, in particular methods of manufacturing

2209/21 . Shaping processes
 2209/2109 . . Moulding
 2209/2118 . . . by injection
 2209/2127 . . . by blowing
 2209/2136 . . . using wax moulds
 2209/2145 . . . by rotation
 2209/2154 . . Winding
 2209/2163 . . . with a mandrel
 2209/2172 . . Polishing
 2209/2181 . . Metal working processes, e.g. deep drawing, stamping or cutting
 2209/219 . . Working processes for non metal materials, e.g. extruding
 2209/22 . Assembling processes
 2209/221 . . Welding
 2209/222 . . . by friction
 2209/224 . . Press-fitting; Shrink-fitting
 2209/225 . . Spraying
 2209/227 . . by adhesive means
 2209/228 . . by screws, bolts or rivets
 2209/23 . Manufacturing of particular parts or at special locations
 2209/232 . . of walls
 2209/234 . . of closing end pieces, e.g. caps
 2209/236 . . . Apparatus therefore
 2209/238 . . Filling of insulants

2221/00 Handled fluid, in particular type of fluid

2221/01 . Pure fluids
 2221/011 . . Oxygen
 2221/012 . . Hydrogen
 2221/013 . . Carbene dioxide
 2221/014 . . Nitrogen
 2221/015 . . Carbon monoxide
 2221/016 . . Noble gases (Ar, Kr, Xe)
 2221/017 . . . Helium
 2221/018 . . Acetylene
 2221/03 . Mixtures
 2221/031 . . Air
 2221/032 . . Hydrocarbons
 2221/033 . . . Methane, e.g. natural gas, CNG, LNG, GNL, GNC, PLNG
 2221/035 . . . Propane butane, e.g. LPG, GPL
 2221/036 . . . Hydrates
 2221/037 . . Containing pollutant, e.g. H₂S, Cl
 2221/038 . . Refrigerants
 2221/05 . Ultrapure fluid
 2221/07 . Hyperpolarised gases
 2221/08 . Ergols, e.g. hydrazine

Fluid contained in the vessel; Filling and discharging the fluid

2223/00 Handled fluid before transfer, i.e. state of fluid when stored in the vessel or before transfer from the vessel

2223/01 . characterised by the phase
 2223/0107 . . Single phase
 2223/0115 . . . dense or supercritical, i.e. at high pressure and high density
 2223/0123 . . . gaseous, e.g. CNG, GNC

2223/013 . . . liquid
 2223/0138 . . . solid
 2223/0146 . . Two-phase
 2223/0153 . . . Liquefied gas, e.g. LPG, GPL
 2223/0161 cryogenic, e.g. LNG, GNL, PLNG
 2223/0169 subcooled
 2223/0176 . . . Solids and gas
 2223/0184 . . . Liquids and solids
 2223/0192 . . Three-phase, e.g. CO₂ at triple point
 2223/03 . characterised by the pressure level
 2223/031 . . Not under pressure, i.e. containing liquids or solids only
 2223/033 . . Small pressure, e.g. for liquefied gas
 2223/035 . . High pressure (>10 bar)
 2223/036 . . Very high pressure (>80 bar)
 2223/038 . . Subatmospheric pressure
 2223/04 . characterised by other properties of handled fluid before transfer
 2223/041 . . Stratification
 2223/042 . . Localisation of the removal point
 2223/043 . . . in the gas
 2223/045 with a dip tube
 2223/046 . . . in the liquid
 2223/047 with a dip tube
 2223/048 . . . in the solid

2225/00 Handled fluid after transfer, i.e. state of fluid after transfer from the vessel

2225/01 . characterised by the phase
 2225/0107 . . Single phase
 2225/0115 . . . dense or supercritical, i.e. at high pressure and high density
 2225/0123 . . . gaseous, e.g. CNG, GNC
 2225/013 . . . liquid
 2225/0138 . . . solid
 2225/0146 . . Two-phase
 2225/0153 . . . Liquefied gas, e.g. LPG, GPL
 2225/0161 cryogenic, e.g. LNG, GNL, PLNG
 2225/0169 subcooled
 2225/0176 . . . Solids and gas
 2225/0184 . . . Liquids and solids
 2225/0192 . . Three-phase, e.g. CO₂ at triple point
 2225/03 . characterised by the pressure level
 2225/031 . . Not under pressure, i.e. containing liquids or solids only
 2225/033 . . Small pressure, e.g. for liquefied gas
 2225/035 . . High pressure, i.e. between 10 and 80 bars
 2225/036 . . Very high pressure, i.e. above 80 bars
 2225/038 . . Subatmospheric pressure
 2225/04 . characterised by other properties of handled fluid after transfer
 2225/041 . . Stratification
 2225/042 . . Localisation of the filling point
 2225/043 . . . in the gas
 2225/044 at several points, e.g. with a device for recondensing gas
 2225/045 with a dip tube
 2225/046 . . . in the liquid
 2225/047 with a dip tube
 2225/048 . . . in the solid

2227/00	Transfer of fluids, i.e. method or means for transferring the fluid; Heat exchange with the fluid	2227/04	Methods for emptying or filling
2227/01	. Propulsion of the fluid	2227/041	. . vessel by vessel
2227/0107	. . by pressurising the ullage	2227/042	. . . with change-over from one vessel to another
2227/0114	. . with vacuum injectors, e.g. venturi	2227/043	. . by pressure cascade
2227/0121	. . by gravity	2227/044	. . by purging
2227/0128	. . with pumps or compressors	2227/045	. . by vacuum
2227/0135	. . . Pumps	2227/046	. . by even emptying or filling
2227/0142	. . . . with specified pump type, e.g. piston or impulsive type	2227/047	. . by repeating a process cycle
2227/015	. . . . with cooling of the pump	2227/048	. . by maintaining residual pressure
2227/0157	. . . Compressors	2250/00	Accessories; Control means; Indicating, measuring or monitoring of parameters
2227/0164	. . . . with specified compressor type, e.g. piston or impulsive type	2250/01	. Intermediate tanks
2227/0171	. . . Arrangement	2250/03	. Control means
2227/0178	. . . . in the vessel	2250/032	. . using computers
2227/0185	. . . . comprising several pumps or compressors	2250/034	. . using wireless transmissions
2227/0192	. . by using a working fluid	2250/036	. . using alarms
2227/03	. Heat exchange with the fluid	2250/038	. . using cameras
2227/0302	. . by heating	2250/04	. Indicating or measuring of parameters as input values
2227/0304	. . . using an electric heater	2250/0404	. . Parameters indicated or measured
2227/0306	. . . using the same fluid	2250/0408	. . . Level of content in the vessel
2227/0309	. . . using another fluid	2250/0413	. . . . with floats
2227/0311	. . . . Air heating	2250/0417	. . . . with electrical means
2227/0313	. . . . . by forced circulation, e.g. using a fan	2250/0421	. . . Mass or weight of the content of the vessel
2227/0316	. . . . Water heating	2250/0426	. . . Volume
2227/0318	. . . . . using seawater	2250/043	. . . Pressure
2227/032	. . . . . using geothermal water	2250/0434	. . . . Pressure difference
2227/0323	. . . . in a closed loop	2250/0439	. . . Temperature
2227/0325	. . . by expansion using "Joule-Thompson" effect	2250/0443	. . . Flow or movement of content
2227/0327	. . . with recovery of heat	2250/0447	. . . Composition; Humidity
2227/033	. . . using solar energy	2250/0452	. . . . Concentration of a product
2227/0332	. . . by burning a combustible	2250/0456	. . . . Calorific or heating value
2227/0334	. . . by radiation means	2250/046	. . . . Humidity
2227/0337	. . by cooling	2250/0465	. . . Vibrations, e.g. of acoustic type
2227/0339	. . . using the same fluid	2250/0469	. . . Constraints, e.g. by gauges
2227/0341	. . . using another fluid	2250/0473	. . . Time or time periods
2227/0344	. . . . Air cooling	2250/0478	. . . Position or presence
2227/0346	. . . . . by forced circulation, e.g. using a fan	2250/0482	. . . Acceleration
2227/0348	. . . . Water cooling	2250/0486	. . Indicating or measuring characterised by the location
2227/0351	. . . . . using seawater	2250/0491	. . . Parameters measured at or inside the vessel
2227/0353	. . . . . using cryocooler	2250/0495	. . . the indicated parameter is a converted measured parameter
2227/0355	. . . . in a closed loop	2250/06	. Controlling or regulating of parameters as output values
2227/0358	. . . by expansion	2250/0605	. . Parameters
2227/036	. . . . "Joule-Thompson" effect	2250/061	. . . Level of content in the vessel
2227/0362	. . . . in a turbine	2250/0615	. . . Mass or weight of the content of the vessel
2227/0365	. . . with recovery of heat	2250/0621	. . . Volume
2227/0367	. . Localisation of heat exchange	2250/0626	. . . Pressure
2227/0369	. . . in or on a vessel	2250/0631	. . . Temperature
2227/0372	. . . . in the gas	2250/0636	. . . Flow or movement of content
2227/0374	. . . . in the liquid	2250/0642	. . . Composition; Humidity
2227/0376	. . . . in wall contact	2250/0647	. . . . Concentration of a product
2227/0379	. . . . . inside the vessel	2250/0652	. . . . Calorific or heating value
2227/0381	. . . . . integrated in the wall	2250/0657	. . . . Humidity
2227/0383	. . . . . outside the vessel	2250/0663	. . . Vibrations, e.g. of acoustic type
2227/0386	. . . . . with a jacket	2250/0668	. . . Constraints, e.g. by gauges
2227/0388	. . . separate	2250/0673	. . . Time or time periods
2227/039	. . . . on the pipes	2250/0678	. . . Position or presence
2227/0393	. . . . using a vaporiser	2250/0684	. . . Acceleration
2227/0395	. . . . using a submerged heat exchanger		
2227/0397	. . . characterised by fins		

- 2250/0689 . . Methods for controlling or regulating
- 2250/0694 . . . with calculations
- 2250/07 . Actions triggered by measured parameters
- 2250/072 . . Action when predefined value is reached
- 2250/075 . . . when full
- 2250/077 . . . when empty

2260/00 Purposes of gas storage and gas handling

- 2260/01 . Improving mechanical properties or manufacturing
- 2260/011 . . Improving strength
- 2260/012 . . Reducing weight
- 2260/013 . . Reducing manufacturing time or effort
- 2260/015 . . Facilitating maintenance
- 2260/016 . . Preventing slosh
- 2260/017 . . by calculation
- 2260/018 . . Adapting dimensions
- 2260/02 . Improving properties related to fluid or fluid transfer
- 2260/021 . . Avoiding over pressurising
- 2260/022 . . Avoiding overfilling
- 2260/023 . . Avoiding overheating
- 2260/024 . . Improving metering
- 2260/025 . . Reducing transfer time
- 2260/026 . . by calculation
- 2260/027 . . Making transfer independent of vessel orientation
- 2260/028 . . Avoiding unauthorised transfer
- 2260/03 . Dealing with losses
- 2260/031 . . due to heat transfer
- 2260/032 . . . Avoiding freezing or defrosting
- 2260/033 . . . by enhancing insulation
- 2260/035 . . of fluid
- 2260/036 . . . Avoiding leaks
- 2260/037 . . . Handling leaked fluid
- 2260/038 . . . Detecting leaked fluid
- 2260/04 . Reducing risks and environmental impact
- 2260/042 . . Reducing risk of explosion
- 2260/044 . . Avoiding pollution or contamination
- 2260/046 . . Enhancing energy recovery
- 2260/048 . . Refurbishing
- 2260/05 . Improving chemical properties
- 2260/053 . . Reducing corrosion
- 2260/056 . . Improving fluid characteristics

Purposes or effects

2265/00 Effects achieved by gas storage or gas handling

- 2265/01 . Purifying the fluid
- 2265/012 . . by filtering
- 2265/015 . . by separating
- 2265/017 . . . different phases of a same fluid
- 2265/02 . Mixing fluids
- 2265/022 . . identical fluid
- 2265/025 . . different fluids
- 2265/027 . . . with odorizing
- 2265/03 . Treating the boil-off
- 2265/031 . . by discharge
- 2265/032 . . by recovery
- 2265/033 . . . with cooling
- 2265/034 with condensing the gas phase
- 2265/035 with subcooling the liquid phase
- 2265/036 . . . with heating

- 2265/037 . . . with pressurising
- 2265/038 . . . with expanding
- 2265/04 . using an independent energy source, e.g. battery
- 2265/05 . Regasification
- 2265/06 . Fluid distribution
- 2265/061 . . for supply of supplying vehicles
- 2265/063 . . for supply of refueling stations
- 2265/065 . . for refueling vehicle fuel tanks
- 2265/066 . . for feeding engines for propulsion
- 2265/068 . . Distribution pipeline networks
- 2265/07 . Generating electrical power as side effect

2270/00 Applications

- 2270/01 . for fluid transport or storage
- 2270/0102 . . on or in the water
- 2270/0105 . . . Ships
- 2270/0107 Wall panels
- 2270/011 . . . Barges
- 2270/0113 floating
- 2270/0115 immersed
- 2270/0118 . . . Offshore
- 2270/0121 Platforms
- 2270/0123 Terminals
- 2270/0126 Buoys
- 2270/0128 Storage in depth
- 2270/0131 . . . Submarines
- 2270/0134 . . placed above the ground
- 2270/0136 . . . Terminals
- 2270/0139 . . . Fuel stations
- 2270/0142 . . placed underground
- 2270/0144 . . . Type of cavity
- 2270/0147 by burying vessels
- 2270/0149 by digging cavities
- 2270/0152 Salt caverns
- 2270/0155 by using natural cavities
- 2270/0157 . . . Location of cavity
- 2270/016 onshore
- 2270/0163 offshore
- 2270/0165 . . on the road
- 2270/0168 . . . by vehicles
- 2270/0171 Trucks
- 2270/0173 Railways
- 2270/0176 Buses
- 2270/0178 Cars
- 2270/0181 . . . Airbags
- 2270/0184 . . . Fuel cells
- 2270/0186 . . in the air or in space
- 2270/0189 . . . Planes
- 2270/0192 . . . Hot air balloons
- 2270/0194 . . . for use under microgravity conditions, e.g. space
- 2270/0197 . . . Rockets
- 2270/02 . for medical applications
- 2270/025 . . Breathing
- 2270/05 . for industrial use
- 2270/0509 . . "Dewar" vessels
- 2270/0518 . . Semiconductors
- 2270/0527 . . Supra-conductors
- 2270/0536 . . . Magnetic resonance imaging
- 2270/0545 . . Tools
- 2270/0554 . . Hydraulic applications
- 2270/0563 . . Pneumatic applications

2270/0572	. .	Isostatic presses
2270/0581	. .	Power plants
2270/059	. .	Mass bottling, e.g. merry belts
2270/07	. .	for household use
2270/0709	. .	Camping gas
2270/0718	. .	Aerosols
2270/0727	. .	Thermos flasks
2270/0736	. .	Capsules, e.g. CO ₂
2270/0745	. .	Gas bottles
2270/0754	. .	Fire extinguishers
2270/0763	. .	Fuel cells
2270/0772	. .	Inflation devices, e.g. for rescue vests or tyres
2270/0781	. .	Diving equipments
2270/079	. .	Respiration devices for rescuing