

# CPC COOPERATIVE PATENT CLASSIFICATION

**F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**  
(NOTE omitted)

## ENGINEERING IN GENERAL

**F17 STORING OR DISTRIBUTING GASES OR LIQUIDS**

**F17B GAS-HOLDERS OF VARIABLE CAPACITY** (self-acting gas cut-off devices [A47J 27/62](#), [G05D](#); flame traps [A62C 4/00](#); gas mixers [B01F](#), [F16K 11/00](#), [G05D 11/00](#); construction or assembling of bulk storage containers employing civil-engineering techniques [E04H 7/00](#), gas compressors [F04](#); valves [F16K](#); damping pulsations in valves or pipes [F16K](#), [F16L](#); pipes [F16L](#); stopping devices for gas mains [F16L 55/10](#); vessels adapted for storing compressed, liquefied, or solidified gases [F17C](#); gas distribution systems [F17D 1/04](#); detecting leakage [F17D 5/02](#), [G01M](#); supervising or alarm devices [F17D 5/02](#), [G08B](#); control of combustion in burners [F23N](#); gas flow or pressure regulators [G05D](#))

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

- 1/00 Gas-holders of variable capacity** (large containers in general [B65D 88/00](#); storing fluids in natural or artificial cavities or chambers in the earth [B65G 5/00](#))
- 1/007 . with telescopically movable ring-shaped parts ([F17B 1/10](#) takes precedence; sealing of rings [F17B 1/04](#))
- 1/013 . with movables discs ([F17B 1/10](#) takes precedence; sealing of discs [F17B 1/04](#))
- 1/02 . Details
- 1/04 . . Sealing devices for sliding parts (in general [F16J 15/00](#))
- 1/06 . . . using sealing liquids
- 1/08 . . . using resilient materials for packing, e.g. leather
- 1/10 . . Guiding moving parts
- 1/12 . . Gas admission or discharge arrangements
- 1/14 . . Safety devices, e.g. prevention of excess pressure
- 1/16 . of wet type
- 1/18 . . bell-shaped
- 1/20 . . telescopic
- 1/22 . . . spirally-guided
- 1/24 . of dry type
- 1/26 . . with flexible walls, e.g. bellows (connection of valves to inflatable elastic bodies [B60C 29/00](#))