

## SECTION C — CHEMISTRY; METALLURGY

**C10 PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT****C10H PRODUCTION OF ACETYLENE BY WET METHODS [5]**Subclass index

## GENERATORS

|                                    |             |
|------------------------------------|-------------|
| With non-automatic water feed..... | 1/00        |
| With automatic water feed.....     | 3/00, 5/00  |
| Kipp's or Dobereiner's type.....   | 7/00, 9/00  |
| Other types.....                   | 11/00-19/00 |
| Details.....                       | 21/00       |

**1/00 Acetylene gas generators with dropwise, gravity, non-automatic water feed**

- 1/02 • Valves
- 1/04 • • Screw valves
- 1/06 • • Cocks
- 1/08 • Other means for controlling the water feed
- 1/10 • Water feed from above through a central or lateral pipe
- 1/12 • Water feed from above through porous materials

**3/00 Acetylene gas generators with automatic water feed regulation by means independent of the gas-holder**

- 3/02 • with membranes
- 3/04 • with floats
- 3/06 • with pistons

**5/00 Acetylene gas generators with automatic water feed regulation by the gas-holder**

- 5/02 • with overflow for the water
- 5/04 • by drop-by-drop water valves connected with the gas-holder
- 5/06 • • by drop-by-drop water cocks connected with the gas-holder
- 5/08 • with gas-holder-connected water valves or cocks according to the submersion system

**7/00 Acetylene gas generators with water feed by Kipp's principle**

- 7/02 • with water feed from below
- 7/04 • with water feed from above

**9/00 Acetylene gas generators according to Dobereiner's principle with fixed carbide bell**

- 9/02 • with water feed from below through porous materials (by capillary feed)
- 9/04 • with gas cock actuated by the gas-holder
- 9/06 • with the depth of the gas outlet pipe regulated by the gas-holder
- 9/08 • with movable gas-holder
- 9/10 • by wetting the carbide only at the bottom

**11/00 Acetylene gas generators with submersion of the carbide in water**

- 11/02 • inside the gas-holder
- 11/04 • with sealing and reaction water separated from each other

**13/00 Acetylene gas generators with combined dipping and drop-by-drop system****15/00 Acetylene gas generators with carbide feed, with or without regulation by the gas pressure**

- 15/02 • with non-automatic carbide feed
- 15/04 • • Closure means at the filling-hopper
- 15/06 • with automatic carbide feed by valves
- 15/08 • • by flap or slide valves
- 15/10 • • by float valves
- 15/12 • • by measuring valves, including pocket-wheels
- 15/14 • with feed worm or feed conveyers
- 15/16 • with feed drums
- 15/18 • with movable feed disc and fixed carbide-receptacle
- 15/20 • with carbide feed by cartridges or other packets
- 15/22 • with carbide feed of pulverous carbide from receptacles or through the gas-holder
- 15/24 • with carbide feed by pistons

**17/00 High-pressure acetylene gas generators****19/00 Other acetylene gas generators**

- 19/02 • Rotary carbide receptacles

**21/00 Details of acetylene generators; Accessory equipment for, or features of, the wet production of acetylene**

- 21/02 • Packages of carbide for use in generators, e.g. cartridges
- 21/04 • • Placing packages in the generator
- 21/06 • • • Opening devices for packages in the generator
- 21/08 • Safety devices for acetylene generators
- 21/10 • Carbide compositions
- 21/12 • Gas-tight sealing means, e.g. liquid seals in generators
- 21/14 • Ventilation means; Cooling devices

- 21/16
- Removing sludge from generators