

**CPC****COOPERATIVE PATENT CLASSIFICATION****C10H****PRODUCTION OF ACETYLENE BY WET METHODS** {(purification of acetylene [C07C 7/00](#))}**C10H 1/00****Acetylene gas generators with dropwise, gravity, non-automatic water feed** (valves, cocks [F16K](#))[C10H 1/02](#)

- . Valves

[C10H 1/04](#)

- . . Screw valves

[C10H 1/06](#)

- . . Cocks

[C10H 1/08](#)

- . Other means for controlling the water feed

[C10H 1/10](#)

- . Water feed from above through a central or lateral pipe

[C10H 1/12](#)

- . Water feed from above through porous materials

**C10H 3/00****Acetylene gas generators with automatic water feed regulation by means independent of the gas-holder**[C10H 3/02](#)

- . with membranes

[C10H 3/04](#)

- . with floats

[C10H 3/06](#)

- . with pistons

**C10H 5/00****Acetylene gas generators with automatic water feed regulation by the gas-holder**[C10H 5/02](#)

- . with overflow for the water

[C10H 5/04](#)

- . by drop-by-drop water valves connected with the gas-holder

[C10H 5/06](#)

- . . by drop-by-drop water cocks connected with the gas-holder

[C10H 5/08](#)

- . with gas-holder-connected water valves or cocks according to the submersion system

**C10H 7/00****Acetylene gas generators with water feed by Kipp`s principle**[C10H 7/02](#)

- . with water feed from below

[C10H 7/04](#)

- . with water feed from above

**C10H 9/00****Acetylene gas generators according to Dobereiner`s principle with fixed carbide bell**[C10H 9/02](#)

- . with water feed from below through porous materials (by capillary feed)

[C10H 9/04](#)

- . with gas cock actuated by the gas holder

[C10H 9/06](#)

- . with the depth of the gas outlet pipe regulated by the gas-holder

[C10H 9/08](#)

- . with movable gas-holder

[C10H 9/10](#)

- . by wetting the carbide only at the bottom

**C10H 11/00****Acetylene gas generators with submersion of the carbide in water**[C10H 11/02](#)

- . inside the gas-holder

[C10H 11/04](#)

- . with sealing and reaction water separated from each other

**C10H 13/00****Acetylene gas generation with combined dipping and drop-by-drop system**

<b>C10H 15/00</b>	<b>Acetylene gas generators with carbide feed, with or without regulation by the gas pressure</b>
C10H 15/02	. with non-automatic carbide feed
C10H 15/04	. . Closure means at the filling-hopper
C10H 15/06	. with automatic carbide feed by valves
C10H 15/08	. . by flap or slide valves
C10H 15/10	. . by float valves
C10H 15/12	. . by measuring valves, including pocket-wheels
C10H 15/14	. with feed worm or feed conveyers
C10H 15/16	. with feed drums
C10H 15/18	. with movable feed disc and fixed carbide-receptacle
C10H 15/20	. with carbide feed by cartridges or other packets
C10H 15/22	. with carbide feed of pulverous carbide from receptacles or through the gas-holder
C10H 15/24	. with carbide feed by pistons
<b>C10H 17/00</b>	<b>High-pressure acetylene gas generators</b>
<b>C10H 19/00</b>	<b>Other acetylene gas generators</b>
C10H 19/02	. Rotary carbide receptacles
<b>C10H 21/00</b>	<b>Details of acetylene generators; Accessory equipment for, or features of, the wet production of acetylene</b>
C10H 21/02	. Packages of carbide for use in generators, e.g. cartridges
C10H 21/04	. . Placing packages in the generator
C10H 21/06	. . . Opening devices for packages in the generator
C10H 21/08	. Safety devices for acetylene generators
C10H 21/10	. Carbide compositions
C10H 21/12	. Gas-tight sealing means, e.g. liquid seals in generators
C10H 21/14	. Ventilation means; Cooling devices
C10H 21/16	. Removing sludge from generators