

**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	<ul style="list-style-type: none"> <li>with water feed from below through porous materials (by capillary feed)</li> </ul>
C10H 9/04	<ul style="list-style-type: none"> <li>with gas cock actuated by the gas holder</li> </ul>
C10H 9/06	<ul style="list-style-type: none"> <li>with the depth of the gas outlet pipe regulated by the gas-holder</li> </ul>
C10H 9/08	<ul style="list-style-type: none"> <li>with movable gas-holder</li> </ul>
C10H 9/10	<ul style="list-style-type: none"> <li>by wetting the carbide only at the bottom</li> </ul>
<b>C10H 11/00</b>	<b>Acetylene gas generators with submersion of the carbide in water</b>
C10H 11/02	<ul style="list-style-type: none"> <li>inside the gas-holder</li> </ul>
C10H 11/04	<ul style="list-style-type: none"> <li>with sealing and reaction water separated from each other</li> </ul>
<b>C10H 13/00</b>	<b>Acetylene gas generation with combined dipping and drop-by-drop system</b>
<b>C10H 15/00</b>	<b>Acetylene gas generators with carbide feed, with or without regulation by the gas pressure</b>
C10H 15/02	<ul style="list-style-type: none"> <li>with non-automatic carbide feed</li> </ul>
C10H 15/04	<ul style="list-style-type: none"> <li>Closure means at the filling-hopper</li> </ul>
C10H 15/06	<ul style="list-style-type: none"> <li>with automatic carbide feed by valves</li> </ul>
C10H 15/08	<ul style="list-style-type: none"> <li>by flap or slide valves</li> </ul>
C10H 15/10	<ul style="list-style-type: none"> <li>by float valves</li> </ul>
C10H 15/12	<ul style="list-style-type: none"> <li>by measuring valves, including pocket-wheels</li> </ul>
C10H 15/14	<ul style="list-style-type: none"> <li>with feed worm or feed conveyers</li> </ul>
C10H 15/16	<ul style="list-style-type: none"> <li>with feed drums</li> </ul>
C10H 15/18	<ul style="list-style-type: none"> <li>with movable feed disc and fixed carbide-receptacle</li> </ul>
C10H 15/20	<ul style="list-style-type: none"> <li>with carbide feed by cartridges or other packets</li> </ul>
C10H 15/22	<ul style="list-style-type: none"> <li>with carbide feed of pulverous carbide from receptacles or through the gas-holder</li> </ul>
C10H 15/24	<ul style="list-style-type: none"> <li>with carbide feed by pistons</li> </ul>
<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

**C10H 21/00      Details of acetylene generators; Accessory equipment for, or features of, the wet production of acetylene**

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