

**CPC****COOPERATIVE PATENT CLASSIFICATION****C10H****PRODUCTION OF ACETYLENE BY WET METHODS** { (purification of acetylene [C07C 7/00](#)) }**Guidance heading:****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**

### **C10H 15/00 Acetylene gas generators with carbide feed, with or without regulation by the gas pressure**

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

### **C10H 17/00 High-pressure acetylene gas generators**

### **C10H 19/00 Other acetylene gas generators**

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