

## SECTION C — CHEMISTRY; METALLURGY

**C10 PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT****C10J PRODUCTION OF GASES CONTAINING CARBON MONOXIDE AND HYDROGEN FROM SOLID CARBONACEOUS MATERIALS BY PARTIAL OXIDATION PROCESSES INVOLVING OXYGEN OR STEAM (underground gasification of minerals E21B 43/295); CARBURETTING AIR OR OTHER GASES [5]**

- 1/00 Production of fuel gases by carburetting air or other gases** (for internal-combustion engines F02M) [1, 2006.01]
- 1/02 • Carburetting air [1, 2006.01]
- 1/04 • • Controlling supply of air [1, 2006.01]
- 1/06 • • with materials which are liquid at ordinary temperatures [1, 2006.01]
- 1/08 • • • by passage of air through or over the surface of the liquid [1, 2006.01]
- 1/10 • • • • with the liquid absorbed on carriers [1, 2006.01]
- 1/12 • • • • by atomisation of the liquid [1, 2006.01]
- 1/14 • • • • Controlling the supply of liquid in accordance with the air supply [1, 2006.01]
- 1/16 • • with solid hydrocarbons (C10J 1/207, C10J 1/213 take precedence) [1, 2006.01]
- 1/18 • • in rotary carburettors [1, 2006.01]
- 1/20 • Carburetting gases other than air [1, 2006.01]
- 1/207 • Carburetting by pyrolysis of solid carbonaceous material in a fuel bed (C10J 3/66 takes precedence) [2012.01]
- 1/213 • Carburetting by pyrolysis of solid carbonaceous material in a carburettor [2012.01]
- 1/22 • Adding materials to prevent vapour deposition [1, 2006.01]
- 1/24 • Controlling humidity of the air or gas to be carburetted [1, 2006.01]
- 1/26 • using raised temperatures or pressures (C10J 1/207, C10J 1/213 take precedence) [1, 2006.01]
- 1/28 • Odourising air gas [1, 2006.01]
- 3/00 Production of gases containing carbon monoxide and hydrogen, e.g. synthesis gas or town gas, from solid carbonaceous materials by partial oxidation processes involving oxygen or steam** [1, 2006.01]
- 3/02 • Fixed-bed gasification of lump fuel [1, 2006.01]
- 3/04 • • Cyclic processes, e.g. alternate blast and run [1, 2006.01]
- 3/06 • • Continuous processes [1, 2006.01]
- 3/08 • • • with ash-removal in liquid state [1, 2006.01]
- 3/10 • • • using external heating [1, 2006.01]
- 3/12 • • • using solid heat-carriers [1, 2006.01]
- 3/14 • • • using gaseous heat-carriers [1, 2006.01]
- 3/16 • • • simultaneously reacting oxygen and water with the carbonaceous material [1, 2006.01]
- 3/18 • • • using electricity [1, 2006.01]
- 3/20 • • Apparatus; Plants [1, 2006.01]
- 3/22 • • • Arrangements or dispositions of valves or flues [1, 2006.01]
- 3/24 • • • • to permit flow of gases or vapours other than upwardly through the fuel bed [1, 2006.01]
- 3/26 • • • • • downwardly [1, 2006.01]
- 3/28 • • • • fully automatic [1, 2006.01]
- 3/30 • • • Fuel charging devices [1, 2006.01]
- 3/32 • • • Devices for distributing fuel evenly over the bed for stirring-up the fuel bed [1, 2006.01]
- 3/34 • • • Grates; Mechanical ash-removing devices [1, 2006.01]
- 3/36 • • • • Fixed grates [1, 2006.01]
- 3/38 • • • • • with stirring beams [1, 2006.01]
- 3/40 • • • • Movable grates [1, 2006.01]
- 3/42 • • • • • Rotary grates [1, 2006.01]
- 3/44 • • • adapted for use on vehicles [1, 2006.01]
- 3/46 • Gasification of granular or pulverulent fuels in suspension [1, 2006.01]
- 3/48 • • Apparatus; Plants [1, 2006.01]
- 3/50 • • • Fuel charging devices [1, 2006.01]
- 3/52 • • • Ash-removing devices [1, 2006.01]
- 3/54 • • Gasification of granular or pulverulent fuels by the Winkler technique, i.e. by fluidisation [1, 2006.01]
- 3/56 • • • Apparatus; Plants [1, 2006.01]
- 3/57 • Gasification using molten salts or metals (C10J 3/02, C10J 3/46 take precedence) [4, 2006.01]
- 3/58 • combined with pre-distillation of the fuel [1, 2006.01]
- 3/60 • • Processes [1, 2006.01]
- 3/62 • • • with separate withdrawal of the distillation products [1, 2006.01]
- 3/64 • • • with decomposition of the distillation products [1, 2006.01]
- 3/66 • • • • by introducing them into the gasification zone [1, 2006.01]
- 3/72 • Other features [1, 2006.01]
- 3/74 • • Construction of shells or jackets [1, 2006.01]
- 3/76 • • • Water jackets; Steam boiler jackets [1, 2006.01]
- 3/78 • • High-pressure apparatus [1, 2006.01]
- 3/80 • • with arrangements for preheating the blast or the water vapour [1, 2006.01]
- 3/82 • • Gas withdrawal means [1, 2006.01]
- 3/84 • • • with means for removing dust or tar from the gas [1, 2006.01]
- 3/86 • • combined with waste-heat boilers [1, 2006.01]