Symbol	Typ	Titel
C	**Sektion**	**SECTION C — CHEMISTRY; METALLURGY**
C10	**Klasse**	**PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT**
C10J	**Unterklasse**	**PRODUCTION OF PRODUCER GAS, WATER-GAS, SYNTHESIS GAS FROM SOLID CARBONACEOUS MATERIAL, OR MIXTURES CONTAINING THESE GASES (synthesis gas from liquid or gaseous hydrocarbons C01B; underground gasification of minerals E21B 43/295); CARBURETTING AIR OR OTHER GASES [5]**
C10J 1/00	**Hauptgruppe**	**Production of fuel gases by carburetting air or other gases without pyrolysis (for internal-combustion engines F02)**
C10J 1/02	1-Punkt Untergruppe	. Carburetting air
C10J 1/04	2-Punkt Untergruppe	. . Controlling supply of air
C10J 1/06	2-Punkt Untergruppe	. . with materials which are liquid at ordinary temperatures
C10J 1/08	3-Punkt Untergruppe	. . . by passage of air through or over the surface of the liquid
C10J 1/10	4-Punkt Untergruppe	. . . . with the liquid absorbed on carriers
C10J 1/12	3-Punkt Untergruppe	. . . by atomisation of the liquid
C10J 1/14	3-Punkt Untergruppe	. . . Controlling the supply of liquid in accordance with the air supply
C10J 1/16	2-Punkt Untergruppe	. . with solid hydrocarbons
C10J 1/18	2-Punkt Untergruppe	. . in rotary carburettors
C10J 1/20	1-Punkt Untergruppe	. Carburetting gases other than air
C10J 1/22	1-Punkt Untergruppe	. Adding materials to prevent vapour deposition
C10J 1/24	1-Punkt Untergruppe	. Controlling humidity of the air or gas to be carburetted
C10J 1/26	1-Punkt Untergruppe	. using raised temperatures or pressures
C10J 1/28	1-Punkt Untergruppe	. Odorising air gas
C10J 3/00	**Hauptgruppe**	**Production of combustible gases containing carbon monoxide from solid carbonaceous fuels (destructive distillation processes C10B)**
C10J 3/02	1-Punkt Untergruppe	. Fixed-bed gasification of lump fuel
C10J 3/04	2-Punkt Untergruppe	. . Cyclic processes, e.g. alternate blast and run
C10J 3/06	2-Punkt Untergruppe	. . Continuous processes
C10J 3/08	3-Punkt Untergruppe	. . . with ash-removal in liquid state
C10J 3/10	3-Punkt Untergruppe	. . . using external heating
C10J 3/12	3-Punkt Untergruppe	. . . using solid heat-carriers
C10J 3/14	3-Punkt Untergruppe	. . . using gaseous heat-carriers
C10J 3/16	3-Punkt Untergruppe	. . . simultaneously reacting oxygen and water with the carbonaceous material
C10J 3/18	3-Punkt Untergruppe	. . . using electricity
C10J 3/20	2-Punkt Untergruppe	. . Apparatus; Plants

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C10J 3/22	3-Punkt Untergruppe	. . . Arrangements or dispositions of valves or flues
C10J 3/24	4-Punkt Untergruppe	. . . . to permit flow of gases or vapours other than upwardly through the fuel bed
C10J 3/26	5-Punkt Untergruppe	. . . . . downwardly
C10J 3/28	4-Punkt Untergruppe	. . . . fully automatic
C10J 3/30	3-Punkt Untergruppe	. . . Fuel charging devices
C10J 3/32	3-Punkt Untergruppe	. . . Devices for distributing fuel evenly over the bed for stirring-up the fuel bed
C10J 3/34	3-Punkt Untergruppe	. . . Grates; Mechanical ash-removing devices
C10J 3/36	4-Punkt Untergruppe	. . . . Fixed grates
C10J 3/38	5-Punkt Untergruppe	. . . . . with stirring beams
C10J 3/40	4-Punkt Untergruppe	. . . . Movable grates
C10J 3/42	5-Punkt Untergruppe	. . . . . Rotary grates
C10J 3/44	3-Punkt Untergruppe	. . . adapted for use on vehicles
C10J 3/46	1-Punkt Untergruppe	. Gasification of granular or pulverulent fuels in suspension
C10J 3/48	2-Punkt Untergruppe	. . Apparatus; Plants
C10J 3/50	3-Punkt Untergruppe	. . . Fuel charging devices
C10J 3/52	3-Punkt Untergruppe	. . . Ash-removing devices
C10J 3/54	2-Punkt Untergruppe	. . Gasification of granular or pulverulent fuels by the Winkler technique, i.e. by fluidisation
C10J 3/56	3-Punkt Untergruppe	. . . Apparatus; Plants
C10J 3/57	1-Punkt Untergruppe	. Gasification using molten salts or metals (C10J 3/02, C10J 3/46 take precedence) [4]
C10J 3/58	1-Punkt Untergruppe	. combined with pre-distillation of the fuel
C10J 3/60	2-Punkt Untergruppe	. . Processes
C10J 3/62	3-Punkt Untergruppe	. . . with separate withdrawal of the distillation products
C10J 3/64	3-Punkt Untergruppe	. . . with decomposition of the distillation products
C10J 3/66	4-Punkt Untergruppe	. . . . by introducing them into the gasification zone
C10J 3/68	1-Punkt Untergruppe	. Carburetting by pyrolysis of carbonaceous material in the fuel bed (C10J 3/66 takes precedence)
C10J 3/70	1-Punkt Untergruppe	. Carburetting by pyrolysis of carbonaceous material in a carburettor
C10J 3/72	1-Punkt Untergruppe	. Other features
C10J 3/74	2-Punkt Untergruppe	. . Construction of shells or jackets
C10J 3/76	3-Punkt Untergruppe	. . . Water jackets; Steam boiler jackets
C10J 3/78	2-Punkt Untergruppe	. . High-pressure apparatus
C10J 3/80	2-Punkt Untergruppe	. . with arrangements for preheating the blast or the water vapour
C10J 3/82	2-Punkt Untergruppe	. . Gas withdrawal means

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C10J 3/84	3-Punkt Untergruppe	. . . with means for removing dust or tar from the gas
C10J 3/86	2-Punkt Untergruppe	. . combined with waste-heat boilers