F	Sektion	SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
F02	Klasse	COMBUSTION ENGINES (cyclically operating valves therefor, lubricating, exhausting, or silencing engines F01); HOT-GAS OR COMBUSTION-PRODUCT ENGINE PLANTS
F02C	Unterklasse	GAS-TURBINE PLANTS; AIR INTAKES FOR JET-PROPULSION PLANTS; CONTROLLING FUEL SUPPLY IN AIR-BREATHING JET-PROPULSION PLANTS (construction of turbines F01D; jet-propulsion plants F02K; construction of compressors or fans F04; combustion apparatus in which combustion takes place in a fluidised bed of fuel or other particles F23C 10/00; generating combustion products of high pressure or high velocity F23R; using gas turbines in compression refrigeration plants F25B 11/00; using gas-turbine
		plants in vehicles, <u>see</u> the relevant vehicle classes)
F02C 1/00	Hauptgruppe	Gas-turbine plants characterised by the use of hot gases or unheated pressurised gases, as the working fluid (by the use of combustion products F02C $3/00$ , F02C $5/00$ ) [3]
F02C 1/02	1-Punkt Untergruppe	. the working fluid being an unheated pressurised gas [3]
F02C 1/04	1-Punkt Untergruppe	. the working fluid being heated indirectly [3]
F02C 1/05	2-Punkt Untergruppe	characterised by the type or source of heat, e.g. using nuclear or solar energy [3]
F02C 1/06	3-Punkt Untergruppe	using reheated exhaust gas (F02C 1/08 takes precedence) [3]
F02C 1/08	2-Punkt Untergruppe	Semi-closed cycles [3]
F02C 1/10	2-Punkt Untergruppe	Closed cycles [3]
F02C 3/00	Hauptgruppe	Gas-turbine plants characterised by the use of combustion products as the working fluid ( generated by intermittent combustion F02C $5/00$ )
F02C 3/02	1-Punkt Untergruppe	. using exhaust-gas pressure in a pressure exchanger to compress combustion-air (pressure exchangers $\underline{\text{per se}} \text{F04F 11/02})$
F02C 3/04	1-Punkt Untergruppe	. having a turbine driving a compressor (power transmission arrangements F02C 7/36; control of working fluid flow F02C 9/16) [5]
F02C 3/045	2-Punkt Untergruppe	having compressor and turbine passages in a single rotor (F02C 3/073 takes precedence) [3]
F02C 3/05	3-Punkt Untergruppe	the compressor and the turbine being of the radial flow type [3]
F02C 3/055	2-Punkt Untergruppe	the compressor being of the positive-displacement type [3]
F02C 3/06	2-Punkt Untergruppe	the compressor comprising only axial stages (F02C 3/10 takes precedence) [3]
F02C 3/067	3-Punkt Untergruppe	having counter-rotating rotors (F02C 3/073 takes precedence) [3]
F02C 3/073	3-Punkt Untergruppe	the compressor and turbine stages being concentric [3]
F02C 3/08	2-Punkt Untergruppe	the compressor comprising at least one radial stage (F02C 3/10 takes precedence) [3]
F02C 3/09	3-Punkt Untergruppe	of the centripetal type [3]
F02C 3/10	2-Punkt Untergruppe	with another turbine driving an output shaft but not driving the compressor
F02C 3/107	2-Punkt Untergruppe	with two or more rotors connected by power transmission [5]
F02C 3/113	3-Punkt Untergruppe	with variable power transmission between rotors [5]

F02C 3/14  1-Punkt Untergruppe having variable working fluid interconnections between turbines or comprered rotors [5]  F02C 3/14  1-Punkt Untergruppe characterised by the arrangement of the combustion chamber in the plant (or F23R) [3]  F02C 3/16  2-Punkt Untergruppe the combustion chambers being formed at least partly in the turbine rotor for formulation fluid to generate the combustion professor of the fuel or oxidant, or dilution fluid to generate the combustion professor of formulation fluid to generate the combustion fluid formulation fluid to generate the combustion fluid flui	combustion chambers <u>per se</u> oducts [3]  O2C 3/28 takes precedence) [3]
F02C 3/16  2-Punkt Untergruppe the combustion chambers being formed at least partly in the turbine rotor  F02C 3/20  1-Punkt Untergruppe using a special fuel, oxidant, or dilution fluid to generate the combustion pro  F02C 3/22  2-Punkt Untergruppe the fuel or oxidant being gaseous at standard temperature and pressure (F  F02C 3/24  2-Punkt Untergruppe the fuel or oxidant being liquid at standard temperature and pressure [3]	oducts [3] 102C 3/28 takes precedence) [3]
F02C 3/20  1-Punkt Untergruppe . using a special fuel, oxidant, or dilution fluid to generate the combustion pro F02C 3/22  2-Punkt Untergruppe the fuel or oxidant being gaseous at standard temperature and pressure (F F02C 3/24  2-Punkt Untergruppe the fuel or oxidant being liquid at standard temperature and pressure [3]	02C 3/28 takes precedence) [3]
F02C 3/22  2-Punkt Untergruppe the fuel or oxidant being gaseous at standard temperature and pressure (F F02C 3/24  2-Punkt Untergruppe the fuel or oxidant being liquid at standard temperature and pressure [3]	02C 3/28 takes precedence) [3]
F02C 3/24 2-Punkt Untergruppe the fuel or oxidant being liquid at standard temperature and pressure [3]	1
F02C 3/26 2-Punkt Untergruppe the fuel or oxidant being solid or pulverulent, e.g. in slurry or suspension	
F02C 3/28 3-Punkt Untergruppe using a separate gas producer for gasifying the fuel before combustion [3	e working fluid before discharge
F02C 3/30  2-Punkt Untergruppe Adding water, steam or other fluids to the combustible ingredients or to the from the turbine (heating of air intakes to prevent icing F02C 7/047) [3]	
F02C 3/32 1-Punkt Untergruppe . Inducing air flow by fluid jet, e.g. ejector action [3]	
F02C 3/34 1-Punkt Untergruppe . with recycling of part of the working fluid, i.e. semi-closed cycles with combu part of the cycle [3]	ustion products in the closed
F02C 3/36 1-Punkt Untergruppe . Open cycles [3]	
F02C 5/00 Hauptgruppe Gas-turbine plants characterised by the working fluid being generate combustion	d by intermittent
F02C 5/02  1-Punkt Untergruppe . characterised by the arrangement of the combustion chamber in the plant (or F23R) [3]	combustion chambers <u>per se</u>
F02C 5/04 2-Punkt Untergruppe the combustion chambers being formed at least partly in the turbine rotor	
F02C 5/06  1-Punkt Untergruppe . the working fluid being generated in an internal-combustion gas generator of having essentially no mechanical power output (internal-combustion engines using exhaust gas turbines F02B)	
F02C 5/08 2-Punkt Untergruppe the gas generator being of the free-piston type	
F02C 5/10  1-Punkt Untergruppe . the working fluid forming a resonating or oscillating gas column, i.e. the compositively actuated valves, e.g. using Helmholtz effect [3]	nbustion chambers having no
F02C 5/11 2-Punkt Untergruppe using valveless combustion chambers [3]	
F02C 5/12 1-Punkt Untergruppe . the combustion chambers having inlet or outlet valves, e.g. Holzwarth gas-tu	urbine plants
F02C 6/00 Hauptgruppe Plural gas-turbine plants; Combinations of gas-turbine plants with other predominantly concerning such apparatus, see the relevant classes for	
Adaptations of gas-turbine plants for special use [3]	
F02C 6/02 1-Punkt Untergruppe . Plural gas-turbine plants having a common power output [3]	
F02C 6/04  1-Punkt Untergruppe  . Gas-turbine plants providing heated or pressurised working fluid for other apmechanical power output (F02C 6/18 takes precedence) [3]	oparatus, e.g. without
F02C 6/06 2-Punkt Untergruppe providing compressed gas (F02C 6/10 takes precedence) [3]	
F02C 6/08 3-Punkt Untergruppe the gas being bled from the gas-turbine compressor [3]	

plant [3]  F02C 6/12 3-Punkt Untergruppe Turbochargers, i.e. plants for augmenting mechanical power output of internal-combustion piston english plants for augmenting mechanical power output of internal-combustion piston english plants for charge pressure [3]  F02C 6/14 1-Punkt Untergruppe for storing compressed air [3]  F02C 6/16 2-Punkt Untergruppe using the waste heat of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat p (using waste heat as source of energy for refrigeration plants F25B 27/02) [3]  F02C 6/10 1-Punkt Untergruppe Adaptations of gas-turbine plants for driving vehicles [3]  F02C 7/00 Hauptgruppe Features, component parts, details or accessories, not provided for in, or of interest apart fro groups F02C 1/00-F02C 6/00; Air intakes for jet-propulsion plants (controlling F02C 9/00) [3]  F02C 7/04 1-Punkt Untergruppe having variable geometry [3]  F02C 7/04 2-Punkt Untergruppe having provisions for noise suppression [3]  F02C 7/05 2-Punkt Untergruppe having provisions for noise suppression [3]  F02C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3]  F02C 7/05 3-Punkt Untergruppe with dust-separation devices [3]  F02C 7/05 3-Punkt Untergruppe with intake grids, screens or guards [3]  F02C 7/05 2-Punkt Untergruppe with intake grids, screens or guards [3]  F02C 7/05 2-Punkt Untergruppe with intake grids, screens or guards [3]  F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers  F02C 7/10 2-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3]	Symbol	Тур	Titel
FO2C 6/14  1-Punkt Untergruppe Gas-turbine plants having means for storing energy, e.g. for meeting peak loads [3]  FO2C 6/16  2-Punkt Untergruppe (using waste heat of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat processor of energy for refrigeration plants F258 27/02) [3]  FO2C 6/18  1-Punkt Untergruppe Adaptations of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat processor of energy for refrigeration plants F258 27/02) [3]  FO2C 6/20  1-Punkt Untergruppe Features, component parts, details or accessories, not provided for in, or of interest apart fro groups F02C 7/04  1-Punkt Untergruppe Ari intakes for gas-turbine plants for driving vehicles [3]  FO2C 7/04  2-Punkt Untergruppe Ari intakes for gas-turbine plants for jet-propulsion plants (controlling F02C 9/00) [3]  FO2C 7/042  2-Punkt Untergruppe Ari intakes for gas-turbine plants for jet-propulsion plants (controlling F02C 9/00) [3]  FO2C 7/043  2-Punkt Untergruppe Ari intakes for gas-turbine plants for jet-propulsion plants (controlling F02C 9/00) [3]  FO2C 7/05  2-Punkt Untergruppe Ari intakes for gas-turbine plants for jet-propulsion plants (controlling F02C 9/00) [3]  FO2C 7/05  2-Punkt Untergruppe Ari intakes for gas-turbine plants for jet-propulsion plants (controlling F02C 9/00) [3]  FO2C 7/05  2-Punkt Untergruppe Ari intakes grids, screens or guards [3]  FO2C 7/05  2-Punkt Untergruppe Control for regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16  F02C 7/06  1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/10  2-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/10  2-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/10  2-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/10  2-Punkt Untergruppe Arra	F02C 6/10	2-Punkt Untergruppe	supplying working fluid to a user, e.g. a chemical process, which returns working fluid to a turbine of the plant [3]
FO2C 6/18 2-Punkt Untergruppe for storing compressed air [3]  FO2C 6/18 1-Punkt Untergruppe dor storing compressed air [3]  FO2C 6/20 1-Punkt Untergruppe daptations of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat p (using waste heat as source of energy for refrigeration plants F25B 27/02) [3]  FO2C 7/00 1-Punkt Untergruppe Adaptations of gas-turbine plants for driving vehicles [3]  FO2C 7/00 1-Punkt Untergruppe Adaptations of gas-turbine plants or driving vehicles [3]  FO2C 7/04 1-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants (controlling FO2C 9/00) [3]  FO2C 7/04 2-Punkt Untergruppe having variable geometry [3]  FO2C 7/04 2-Punkt Untergruppe having provisions for noise suppression [3]  FO2C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3]  FO2C 7/05 3-Punkt Untergruppe with dust-separation devices [3]  FO2C 7/05 3-Punkt Untergruppe with intake grids, screens or guards [3]  FO2C 7/05 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control FO2C 9/50, with nozzle area control FO2K 1/16  FO2C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C): Lubricating (of engines in general F01M) [3]  FO2C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers  FO2C 7/10 2-Punkt Untergruppe of the rotary type (rotary heat exchangers get sef 28D) [3]  FO2C 7/12 1-Punkt Untergruppe of the rotary type (rotary heat exchangers get sef 28D) [3]  FO2C 7/14 2-Punkt Untergruppe of working fluid (FO2C 3/30 takes precedence) [3]  FO2C 7/14 3-Punkt Untergruppe of working fluid (FO2C 3/30 takes precedence) [3]  FO2C 7/14 3-Punkt Untergruppe characterised by cooling medium	F02C 6/12	3-Punkt Untergruppe	Turbochargers, i.e. plants for augmenting mechanical power output of internal-combustion piston engines by increase of charge pressure [3]
F02C 6/18 1-Punkt Untergruppe	F02C 6/14	1-Punkt Untergruppe	. Gas-turbine plants having means for storing energy, e.g. for meeting peak loads [3]
FO2C 7/00  1-Punkt Untergruppe Adaptations of gas-turbine plants for driving vehicles [3]  FO2C 7/00  Hauptgruppe Features, component parts, details or accessories, not provided for in, or of interest apart fro groups FO2C 1/00-F02C 6/00; Air intakes for jet-propulsion plants (controlling FO2C 9/00) [3]  FO2C 7/04  1-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants (controlling FO2C 9/00) [3]  FO2C 7/042  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/045  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/045  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/05  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/05  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/05  3-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/05  3-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/05  3-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/06  1-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/06  1-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/10  2-Punkt Untergruppe Air intakes for gas-turbine plants or jet-propulsion plants [3]  FO2C 7/10  3-Punkt Untergruppe Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in general F01P)  FO2C 7/14  3-Punkt Untergruppe Of fluids in the plant  FO2C 7/14  4-Punkt Untergruppe Of working fluid (FO2C 3/30 takes precedence) [3]  FO2C 7/14  4-Punkt Untergruppe Air fluids in the plant  FO2C 7/14  4-Punkt Untergruppe Air fluids in the plant  FO2C 7/14  4-Punkt Untergruppe Air fluids in the plant  FO2C 7/14  4-Punkt Untergruppe Air fluids in the plant  FO2C 7/14  4-Punkt Untergruppe Air fluids in the plan	F02C 6/16	2-Punkt Untergruppe	for storing compressed air [3]
Fe2C 7/00 Hauptgruppe Features, component parts, details or accessories, not provided for in, or of interest apart for groups FO2C 1/00-FO2C 6/00; Air intakes for jet-propulsion plants (controlling FO2C 9/00) [3] FO2C 7/04 1-Punkt Untergruppe having variable geometry [3] FO2C 7/045 2-Punkt Untergruppe having provisions for noise suppression [3] FO2C 7/047 2-Punkt Untergruppe having provisions for noise suppression [3] FO2C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3] FO2C 7/05 2-Punkt Untergruppe with dust-separation devices [3] FO2C 7/05 3-Punkt Untergruppe with dust-separation devices [3] FO2C 7/05 3-Punkt Untergruppe with intake grids, screens or guards [3] FO2C 7/05 2-Punkt Untergruppe control or regulation (conjointly with fuel supply control FO2C 9/50, with nozzle area control FO2K 1/16 FO2C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] FO2C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers FO2C 7/10 3-Punkt Untergruppe by means of regenerative heat-exchangers FO2C 7/10 3-Punkt Untergruppe of the rotary type (rotary heat exchangers <u>per se</u> F28D) [3] FO2C 7/12 1-Punkt Untergruppe of fluids in the plant FO2C 7/14 3-Punkt Untergruppe of working fluid (FO2C 3/30 takes precedence) [3] FO2C 7/14 4-Punkt Untergruppe of working fluid (FO2C 3/30 takes precedence) [3] FO2C 7/16 2-Punkt Untergruppe observe the compressor stages [3] FO2C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 6/18	1-Punkt Untergruppe	. using the waste heat of gas-turbine plants outside the plants themselves, e.g. gas-turbine power heat plants (using waste heat as source of energy for refrigeration plants F25B 27/02) [3]
F02C 7/04	F02C 6/20	1-Punkt Untergruppe	. Adaptations of gas-turbine plants for driving vehicles [3]
F02C 7/042 2-Punkt Untergruppe having variable geometry [3] F02C 7/045 2-Punkt Untergruppe having provisions for noise suppression [3] F02C 7/047 2-Punkt Untergruppe having provisions for noise suppression [3] F02C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3] F02C 7/05 3-Punkt Untergruppe with dust-separation devices [3] F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 2-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12 1-Punkt Untergruppe of fluids in the plant F02C 7/14 2-Punkt Untergruppe of fluids in the plant F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/143 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe before or between the compressor stages [3]	F02C 7/00	Hauptgruppe	Features, component parts, details or accessories, not provided for in, or of interest apart from, groups F02C 1/00-F02C 6/00; Air intakes for jet-propulsion plants (controlling F02C 9/00) [3]
F02C 7/045 2-Punkt Untergruppe having provisions for noise suppression [3] F02C 7/057 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3] F02C 7/05 2-Punkt Untergruppe with dust-separation devices [3] F02C 7/052 3-Punkt Untergruppe with dust-separation devices [3] F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/14 2-Punkt Untergruppe cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in general F01P) F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/143 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/04	1-Punkt Untergruppe	. Air intakes for gas-turbine plants or jet-propulsion plants [3]
F02C 7/047 2-Punkt Untergruppe Heating to prevent icing [3] F02C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3] F02C 7/052 3-Punkt Untergruppe with dust-separation devices [3] F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 2-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12 1-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/14 2-Punkt Untergruppe of fluids in the plant F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/14 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/042	2-Punkt Untergruppe	having variable geometry [3]
F02C 7/05 2-Punkt Untergruppe having provisions for obviating the penetration of damaging objects or particles [3] F02C 7/052 3-Punkt Untergruppe with dust-separation devices [3] F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe bearing sir supply before combustion, e.g. by exhaust gases F02C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12 1-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/14 2-Punkt Untergruppe of fluids in the plant F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/14 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/045	2-Punkt Untergruppe	having provisions for noise suppression [3]
F02C 7/052 3-Punkt Untergruppe with dust-separation devices [3] F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/105 3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12 1-Punkt Untergruppe of fluids in the plant F02C 7/14 2-Punkt Untergruppe of fluids in the plant F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/14 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/047	2-Punkt Untergruppe	Heating to prevent icing [3]
F02C 7/055 3-Punkt Untergruppe with intake grids, screens or guards [3] F02C 7/057 2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06 1-Punkt Untergruppe . Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08 1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10 2-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12 1-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/14 2-Punkt Untergruppe of fluids in the plant F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/14 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/05	2-Punkt Untergruppe	having provisions for obviating the penetration of damaging objects or particles [3]
F02C 7/057  2-Punkt Untergruppe Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16 F02C 7/06  1-Punkt Untergruppe Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3] F02C 7/08  1-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/10  2-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3] F02C 7/12  1-Punkt Untergruppe Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in generative forms and the plant of morking fluid (F02C 3/30 takes precedence) [3] F02C 7/14  3-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16  2-Punkt Untergruppe characterised by cooling medium	F02C 7/052	3-Punkt Untergruppe	with dust-separation devices [3]
F02C 7/06  1-Punkt Untergruppe . Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]  F02C 7/08  1-Punkt Untergruppe . Heating air supply before combustion, e.g. by exhaust gases  F02C 7/10  2-Punkt Untergruppe by means of regenerative heat-exchangers  F02C 7/105  3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3]  F02C 7/12  1-Punkt Untergruppe Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen F01P)  F02C 7/14  2-Punkt Untergruppe of fluids in the plant  F02C 7/141  3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/143  4-Punkt Untergruppe before or between the compressor stages [3]  F02C 7/16  2-Punkt Untergruppe characterised by cooling medium	F02C 7/055	3-Punkt Untergruppe	with intake grids, screens or guards [3]
F02C 7/10 2-Punkt Untergruppe by means of regenerative heat-exchangers  F02C 7/10 3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3]  F02C 7/12 1-Punkt Untergruppe cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen F01P)  F02C 7/14 2-Punkt Untergruppe of fluids in the plant  F02C 7/14 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/14 4-Punkt Untergruppe before or between the compressor stages [3]  F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/057	2-Punkt Untergruppe	Control or regulation (conjointly with fuel supply control F02C 9/50, with nozzle area control F02K 1/16) [3]
F02C 7/105  2-Punkt Untergruppe by means of regenerative heat-exchangers F02C 7/105  3-Punkt Untergruppe of the rotary type (rotary heat exchangers per seF28D) [3]  F02C 7/12  1-Punkt Untergruppe Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen F01P)  F02C 7/14  2-Punkt Untergruppe of fluids in the plant  F02C 7/141  3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/143  4-Punkt Untergruppe before or between the compressor stages [3]  F02C 7/16  2-Punkt Untergruppe characterised by cooling medium	F02C 7/06	1-Punkt Untergruppe	. Arrangement of bearings (bearings F16C); Lubricating (of engines in general F01M) [3]
F02C 7/105  3-Punkt Untergruppe  Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen F01P)  F02C 7/14  2-Punkt Untergruppe  of fluids in the plant  F02C 7/141  3-Punkt Untergruppe  of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/143  4-Punkt Untergruppe  characterised by cooling medium	F02C 7/08	1-Punkt Untergruppe	. Heating air supply before combustion, e.g. by exhaust gases
F02C 7/12  1-Punkt Untergruppe Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen F01P)  F02C 7/14  2-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/143  4-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/16  2-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  Cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling of engines in gen f01P)  cooling of plants (of component parts, see the relevant subclasses, e.g. F01D; cooling o	F02C 7/10	2-Punkt Untergruppe	by means of regenerative heat-exchangers
F01P)  F02C 7/14  2-Punkt Untergruppe of fluids in the plant  F02C 7/141  3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3]  F02C 7/143  4-Punkt Untergruppe before or between the compressor stages [3]  F02C 7/16  2-Punkt Untergruppe characterised by cooling medium	F02C 7/105	3-Punkt Untergruppe	of the rotary type (rotary heat exchangers <u>per se</u> F28D) [3]
F02C 7/141 3-Punkt Untergruppe of working fluid (F02C 3/30 takes precedence) [3] F02C 7/143 4-Punkt Untergruppe before or between the compressor stages [3] F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/12	1-Punkt Untergruppe	. Cooling of plants (of component parts, <u>see</u> the relevant subclasses, e.g. F01D; cooling of engines in general F01P)
F02C 7/143  4-Punkt Untergruppe before or between the compressor stages [3]  F02C 7/16  2-Punkt Untergruppe characterised by cooling medium	F02C 7/14	2-Punkt Untergruppe	of fluids in the plant
F02C 7/16 2-Punkt Untergruppe characterised by cooling medium	F02C 7/141	3-Punkt Untergruppe	of working fluid (F02C 3/30 takes precedence) [3]
	F02C 7/143	4-Punkt Untergruppe	before or between the compressor stages [3]
F02C 7/18 3-Punkt Untergruppe the medium being gaseous, e.g. air	F02C 7/16	2-Punkt Untergruppe	characterised by cooling medium
	F02C 7/18	3-Punkt Untergruppe	the medium being gaseous, e.g. air
F02C 7/20 1-Punkt Untergruppe . Mounting or supporting of plant; Accommodating heat expansion or creep	F02C 7/20	1-Punkt Untergruppe	. Mounting or supporting of plant; Accommodating heat expansion or creep
F02C 7/22 1-Punkt Untergruppe . Fuel supply systems	F02C 7/22	1-Punkt Untergruppe	. Fuel supply systems
F02C 7/224 2-Punkt Untergruppe Heating fuel before feeding to the burner [3]	F02C 7/224	2-Punkt Untergruppe	Heating fuel before feeding to the burner [3]
F02C 7/228 2-Punkt Untergruppe Dividing fuel between various burners [3]	F02C 7/228	2-Punkt Untergruppe	Dividing fuel between various burners [3]

Symbol	Тур	Titel
F02C 7/232	2-Punkt Untergruppe	Fuel valves; Draining valves or systems (valves in general F16K) [3]
F02C 7/236	2-Punkt Untergruppe	Fuel delivery systems comprising two or more pumps [3]
F02C 7/24	1-Punkt Untergruppe	. Heat or noise insulation (air intakes having provisions for noise suppression F02C 7/045; turbine exhaust heads, chambers, or the like F01D 25/30; silencing nozzles of jet-propulsion plants F02K 1/00) [3]
F02C 7/25	2-Punkt Untergruppe	Fire protection or prevention (in general A62) [3]
F02C 7/26	1-Punkt Untergruppe	. Starting; Ignition
F02C 7/262	2-Punkt Untergruppe	Restarting after flame-out [3]
F02C 7/264	2-Punkt Untergruppe	Ignition [3]
F02C 7/266	3-Punkt Untergruppe	Electric (sparking plugs H01T) [3]
F02C 7/268	2-Punkt Untergruppe	Starting drives for the rotor [3]
F02C 7/27	3-Punkt Untergruppe	Fluid drives (turbine starters F02C 7/277) [3]
F02C 7/272	4-Punkt Untergruppe	generated by cartridges [3]
F02C 7/275	3-Punkt Untergruppe	Mechanical drives [3]
F02C 7/277	4-Punkt Untergruppe	the starter being a turbine [3]
F02C 7/28	1-Punkt Untergruppe	. Arrangement of seals
F02C 7/30	1-Punkt Untergruppe	. Preventing corrosion in gas-swept spaces
F02C 7/32	1-Punkt Untergruppe	. Arrangement, mounting, or driving, of auxiliaries
F02C 7/36	1-Punkt Untergruppe	. Power transmission between the different shafts of the gas-turbine plant, or between the gas-turbine plant and the power user (F02C 7/32 takes precedence; couplings for transmitting rotation F16D; gearing in general F16H) [3]
F02C 9/00	Hauptgruppe	Controlling gas-turbine plants; Controlling fuel supply in air-breathing jet-propulsion plants (controlling air intakes F02C 7/057; controlling turbines F01D; controlling compressors F04D 27/00) [3]
F02C 9/16	1-Punkt Untergruppe	. Control of working fluid flow (F02C 9/48 takes precedence; control of air-intake flow F02C 7/057) [3]
F02C 9/18	2-Punkt Untergruppe	by bleeding, by-passing or acting on variable working fluid interconnections between turbines or compressors or their stages [3, 5]
F02C 9/20	2-Punkt Untergruppe	by throttling; by adjusting vanes [3]
F02C 9/22	3-Punkt Untergruppe	by adjusting turbine vanes [3]
F02C 9/24	2-Punkt Untergruppe	Control of the pressure level in closed cycles [3]
F02C 9/26	1-Punkt Untergruppe	. Control of fuel supply (F02C 9/48 takes precedence; fuel valves F02C 7/232) [3]
F02C 9/28	2-Punkt Untergruppe	Regulating systems responsive to plant or ambient parameters, e.g. temperature, pressure, rotor speed ( F02C 9/30-F02C 9/38, F02C 9/44 take precedence) [3]
F02C 9/30	2-Punkt Untergruppe	characterised by variable fuel pump output [3]
F02C 9/32	2-Punkt Untergruppe	characterised by throttling of fuel (F02C 9/38 takes precedence) [3]
F02C 9/34	3-Punkt Untergruppe	Joint control of separate flows to main and auxiliary burners [3]
F02C 9/36	2-Punkt Untergruppe	characterised by returning of fuel to sump (F02C 9/38 takes precedence) [3]

## F02C 3/24

Symbol	Тур	Titel
F02C 9/38	2-Punkt Untergruppe	characterised by throttling and returning of fuel to sump [3]
F02C 9/40	2-Punkt Untergruppe	specially adapted to the use of a special fuel or a plurality of fuels [3]
F02C 9/42	2-Punkt Untergruppe	specially adapted for the control of two or more plants simultaneously [3]
F02C 9/44	2-Punkt Untergruppe	responsive to the speed of aircraft, e.g. Mach number control, optimisation of fuel consumption [3]
F02C 9/46	2-Punkt Untergruppe	Emergency fuel control [3]
F02C 9/48	1-Punkt Untergruppe	. Control of fuel supply conjointly with another control of the plant (with nozzle section control F02K 1/17) [3]
F02C 9/50	2-Punkt Untergruppe	with control of working fluid flow [3]
F02C 9/52	3-Punkt Untergruppe	by bleeding or by-passing the working fluid [3]
F02C 9/54	3-Punkt Untergruppe	by throttling the working fluid, by adjusting vanes [3]
F02C 9/56	2-Punkt Untergruppe	with power transmission control [3]
F02C 9/58	3-Punkt Untergruppe	with control of a variable-pitch propeller [3]