

Symbol	Typ	Titel
G	Sektion	PHYSICS
G21	Untersektion	NUCLEONICS
G21	Klasse	NUCLEAR PHYSICS; NUCLEAR ENGINEERING
G21C	Unterkategorie	NUCLEAR REACTORS (fusion reactors, hybrid fission-fusion reactors G21B; nuclear explosives G21J)
G21C 1/00	Hauptgruppe	Reactors [1, 2006.01]
G21C 1/01	1-Punkt Untergruppe	. General details not provided for in groups G21C 3/00-G21C 19/00 [3, 2006.01]
G21C 1/02	1-Punkt Untergruppe	. Fast fission reactors, i.e. reactors not using a moderator [1, 2006.01]
G21C 1/03	2-Punkt Untergruppe	.. cooled by a coolant not essentially pressurised, e.g. pool-type reactors [5, 2006.01]
G21C 1/04	1-Punkt Untergruppe	. Thermal reactors [1, 2006.01]
G21C 1/06	2-Punkt Untergruppe	.. Heterogeneous reactors, i.e. in which fuel and moderator are separated [1, 2006.01]
G21C 1/07	3-Punkt Untergruppe	... Pebble-bed reactors; Reactors with granular fuel [5, 2006.01]
G21C 1/08	3-Punkt Untergruppe	... moderator being highly pressurised, e.g. boiling-water reactor, integral-superheat reactor, pressurised-water reactor (G21C 1/22 takes precedence) [1, 2006.01]
G21C 1/09	4-Punkt Untergruppe	.... Pressure regulating arrangements, i.e. pressurisers [5, 2006.01]
G21C 1/10	4-Punkt Untergruppe	.... moderator and coolant being different or separated [1, 2006.01]
G21C 1/12	5-Punkt Untergruppe	..... moderator being solid, e.g. Magnox reactor [1, 2006.01]
G21C 1/14	3-Punkt Untergruppe	... moderator being substantially not pressurised, e.g. swimming-pool reactor (G21C 1/22 takes precedence) [1, 2006.01]
G21C 1/16	4-Punkt Untergruppe	.... moderator and coolant being different or separated, e.g. sodium-graphite reactor [1, 2006.01]
G21C 1/18	5-Punkt Untergruppe	..... coolant being pressurised [1, 2006.01]
G21C 1/20	6-Punkt Untergruppe	..... moderator being liquid, e.g. pressure-tube reactor [1, 2006.01]
G21C 1/22	3-Punkt Untergruppe	... using liquid or gaseous fuel [1, 2006.01]
G21C 1/24	2-Punkt Untergruppe	.. Homogeneous reactors, i.e. in which fuel and moderator present an effectively homogeneous medium to the neutrons [1, 2006.01]
G21C 1/26	3-Punkt Untergruppe	... Single-region reactors [1, 2006.01]
G21C 1/28	3-Punkt Untergruppe	... Two-region reactors [1, 2006.01]
G21C 1/30	1-Punkt Untergruppe	. Subcritical reactors [1, 2006.01]
G21C 1/32	1-Punkt Untergruppe	. Integral reactors, i.e. reactors wherein parts functionally associated with the reactor but not essential to the reaction, e.g. heat exchangers, are disposed inside the enclosure with the core (G21C 1/02-G21C 1/30 take precedence) [3, 2006.01]
G21C 3/00	Hauptgruppe	Reactor fuel elements or their assemblies; Selection of substances for use as reactor fuel elements [1, 2006.01]
G21C 3/02	1-Punkt Untergruppe	. Fuel elements [1, 2006.01]
G21C 3/04	2-Punkt Untergruppe	.. Constructional details [1, 2006.01]
G21C 3/06	3-Punkt Untergruppe	... Casings; Jackets [1, 2006.01]

Symbol	Typ	Titel
G21C 3/07	4-Punkt Untergruppe	.... characterised by their material, e.g. alloys [5, 2006.01]
G21C 3/08	4-Punkt Untergruppe	.... provided with external means to promote heat-transfer, e.g. fins, baffles, corrugations [1, 2006.01]
G21C 3/10	4-Punkt Untergruppe	.... End closures [1, 2006.01]
G21C 3/12	4-Punkt Untergruppe	.... Means forming part of the element for locating it within the reactor core; External spacers for this purpose [1, 2006.01]
G21C 3/14	4-Punkt Untergruppe	.... Means forming part of the element for inserting it into, or removing it from, the core; Means for coupling adjacent elements [1, 2006.01]
G21C 3/16	3-Punkt Untergruppe	... Details of the construction within the casing [1, 2006.01]
G21C 3/17	4-Punkt Untergruppe	.... Means for storage or immobilisation of gases in fuel elements [5, 2006.01]
G21C 3/18	4-Punkt Untergruppe	.... Internal spacers or other non-active material within the casing, e.g. compensating for expansion of fuel rods or for compensating excess reactivity (interlayers G21C 3/20) [1, 2006.01]
G21C 3/20	4-Punkt Untergruppe	.... with coating on fuel or on inside of casing; with non-active interlayer between casing and active material [1, 2006.01]
G21C 3/22	2-Punkt Untergruppe	.. with fissile or breeder material in contact with coolant [1, 2006.01]
G21C 3/24	2-Punkt Untergruppe	.. with fissile or breeder material in fluid form within a non-active casing [1, 2006.01]
G21C 3/26	2-Punkt Untergruppe	.. with fissile or breeder material in powder form within a non-active casing [1, 2006.01]
G21C 3/28	2-Punkt Untergruppe	.. with fissile or breeder material in solid form within a non-active casing [1, 2006.01]
G21C 3/30	1-Punkt Untergruppe	. Assemblies of a number of fuel elements in the form of a rigid unit [1, 2006.01]
G21C 3/32	2-Punkt Untergruppe	.. Bundles of parallel pin-, rod-, or tube-shaped fuel elements [1, 2006.01]
G21C 3/322	3-Punkt Untergruppe	... Means to influence the coolant flow through or around the bundles [5, 2006.01]
G21C 3/324	3-Punkt Untergruppe	... Coats or envelopes for the bundles [5, 2006.01]
G21C 3/326	3-Punkt Untergruppe	... comprising fuel elements of different composition; Comprising, in addition to the fuel elements, other pin-, rod-, or tube-shaped elements, e.g. control rods, grid support rods, fertile rods, poison rods or dummy rods [5, 2006.01]
G21C 3/328	4-Punkt Untergruppe	.... Relative disposition of the elements in the bundle lattice [5, 2006.01]
G21C 3/33	3-Punkt Untergruppe	... Supporting or hanging of elements in the bundle (spacer grids G21C 3/34); Means forming part of the bundle for inserting it into, or removing it from, the core; Means for coupling adjacent bundles [5, 2006.01]
G21C 3/332	4-Punkt Untergruppe	.... Supports for spacer grids [5, 2006.01]
G21C 3/334	3-Punkt Untergruppe	... Assembling the bundles [5, 2006.01]
G21C 3/335	3-Punkt Untergruppe	... Exchanging elements in irradiated bundles [5, 2006.01]
G21C 3/336	3-Punkt Untergruppe	... Spacer elements for fuel rods in the bundle (spacer grids G21C 3/34) [5, 2006.01]
G21C 3/338	4-Punkt Untergruppe	.... Helicoidal spacer elements [5, 2006.01]
G21C 3/34	3-Punkt Untergruppe	... Spacer grids [1, 2006.01]
G21C 3/344	4-Punkt Untergruppe	.... formed of assembled tubular elements [5, 2006.01]
G21C 3/348	4-Punkt Untergruppe	.... formed of assembled non-intersecting strips [5, 2006.01]

Symbol	Typ	Titel
G21C 3/352	4-Punkt Untergruppe	.... formed of assembled intersecting strips [5, 2006.01]
G21C 3/356	4-Punkt Untergruppe	.... being provided with fuel element supporting members [5, 2006.01]
G21C 3/36	2-Punkt Untergruppe	... Assemblies of plate-shaped fuel elements or coaxial tubes [1, 2006.01]
G21C 3/38	1-Punkt Untergruppe	. Fuel units consisting of a single fuel element in a supporting sleeve [1, 2006.01]
G21C 3/40	1-Punkt Untergruppe	. Structural combination of fuel element with thermoelectric element for direct production of electric energy from fission heat (structural combination of fuel element with instruments for temperature measurement G21C 17/112) [1, 2006.01]
G21C 3/42	1-Punkt Untergruppe	. Selection of substances for use as reactor fuel [1, 2006.01]
G21C 3/44	2-Punkt Untergruppe	... Fluid or fluent reactor fuel [1, 2006.01]
G21C 3/46	3-Punkt Untergruppe	... Aqueous compositions [1, 2006.01]
G21C 3/48	4-Punkt Untergruppe	.... True or colloidal solutions of the active constituent [1, 2006.01]
G21C 3/50	4-Punkt Untergruppe	.... Suspensions of the active constituent; Slurries [1, 2006.01]
G21C 3/52	3-Punkt Untergruppe	... Liquid metal compositions [1, 2006.01]
G21C 3/54	3-Punkt Untergruppe	... Fused salt, oxide, or hydroxide compositions [1, 2006.01]
G21C 3/56	3-Punkt Untergruppe	... Gaseous compositions; Suspensions in a gaseous carrier [1, 2006.01]
G21C 3/58	2-Punkt Untergruppe	... Solid reactor fuel [1, 2006.01]
G21C 3/60	3-Punkt Untergruppe	... Metallic fuel; Intermetallic dispersions [1, 2006.01]
G21C 3/62	3-Punkt Untergruppe	... Ceramic fuel [1, 2006.01]
G21C 3/64	4-Punkt Untergruppe	.... Ceramic dispersion fuel, e.g. cermet [1, 2006.01]
G21C 5/00	Hauptgruppe	Moderator or core structure; Selection of materials for use as moderator [1, 2006.01]
G21C 5/02	1-Punkt Untergruppe	. Details [1, 2006.01]
G21C 5/04	2-Punkt Untergruppe	.. Spatial arrangements allowing for Wigner growth [1, 2006.01]
G21C 5/06	2-Punkt Untergruppe	.. Means for locating or supporting fuel elements [1, 2006.01]
G21C 5/08	2-Punkt Untergruppe	.. Means for preventing undesired asymmetric expansion of the complete structure [1, 2006.01]
G21C 5/10	2-Punkt Untergruppe	.. Means for supporting the complete structure [1, 2006.01]
G21C 5/12	1-Punkt Untergruppe	. characterised by composition, e.g. the moderator containing additional substances which ensure improved heat resistance of the moderator [1, 2006.01]
G21C 5/14	1-Punkt Untergruppe	. characterised by shape [1, 2006.01]
G21C 5/16	2-Punkt Untergruppe	.. Shape of its constituent parts [1, 2006.01]
G21C 5/18	1-Punkt Untergruppe	. characterised by the provision of more than one active zone [1, 2006.01]
G21C 5/20	2-Punkt Untergruppe	.. wherein one zone contains fissile material and another zone contains breeder material [1, 2006.01]
G21C 5/22	2-Punkt Untergruppe	.. wherein one zone is a superheating zone [1, 2006.01]
G21C 7/00	Hauptgruppe	Control of nuclear reaction [1, 2006.01]
G21C 7/02	1-Punkt Untergruppe	. by using self-regulating properties of reactor materials (arrangements that involve temperature stability G21C 7/32) [1, 2006.01]

Symbol	Typ	Titel
G21C 7/04	2-Punkt Untergruppe	... of burnable poisons (burnable poisons in fuel rods G21C 3/326) [1, 5, 2006.01]
G21C 7/06	1-Punkt Untergruppe	. by application of neutron-absorbing material, i.e. material with absorption cross-section very much in excess of reflection cross-section [1, 2006.01]
G21C 7/08	2-Punkt Untergruppe	... by displacement of solid control elements, e.g. control rods [1, 2006.01]
G21C 7/10	3-Punkt Untergruppe	... Construction of control elements [1, 2006.01]
G21C 7/103	4-Punkt Untergruppe	.... Control assemblies containing one or more absorbants as well as other elements, e.g. fuel or moderator elements [5, 2006.01]
G21C 7/107	4-Punkt Untergruppe	.... Control elements adapted for pebble-bed reactors [5, 2006.01]
G21C 7/11	4-Punkt Untergruppe	.... Deformable control elements, e.g. flexible, telescopic, articulated [5, 2006.01]
G21C 7/113	4-Punkt Untergruppe	.... Control elements made of flat elements; Control elements having cruciform cross-section [5, 2006.01]
G21C 7/117	4-Punkt Untergruppe	.... Clusters of control rods; Spider construction [5, 2006.01]
G21C 7/12	3-Punkt Untergruppe	... Means for moving control elements to desired position (dropping control rods into the reactor core in an emergency G21C 9/02) [1, 2006.01]
G21C 7/14	4-Punkt Untergruppe	.... Mechanical drive arrangements [1, 2006.01]
G21C 7/16	4-Punkt Untergruppe	.... Hydraulic or pneumatic drive arrangements [1, 2006.01]
G21C 7/18	3-Punkt Untergruppe	... Means for obtaining differential movement of control elements [1, 2006.01]
G21C 7/20	3-Punkt Untergruppe	... Disposition of shock-absorbing devices [1, 2006.01]
G21C 7/22	2-Punkt Untergruppe	.. by displacement of a fluid or fluent neutron-absorbing material [1, 2006.01]
G21C 7/24	2-Punkt Untergruppe	.. Selection of substances for use as neutron-absorbing material [1, 2006.01]
G21C 7/26	1-Punkt Untergruppe	. by displacement of the moderator or parts thereof [1, 2006.01]
G21C 7/27	2-Punkt Untergruppe	.. Spectral shift control [5, 2006.01]
G21C 7/28	1-Punkt Untergruppe	. by displacement of the reflector or parts thereof [1, 2006.01]
G21C 7/30	1-Punkt Untergruppe	. by displacement of reactor fuel or fuel elements [1, 2006.01]
G21C 7/32	1-Punkt Untergruppe	. by varying flow of coolant through the core [1, 2006.01]
G21C 7/34	1-Punkt Untergruppe	. by utilisation of a primary neutron source [1, 2006.01]
G21C 7/36	1-Punkt Untergruppe	. Control circuits [1, 2006.01]
G21C 9/00	Hauptgruppe	Emergency protection arrangements structurally associated with the reactor (emergency cooling arrangements G21C 15/18) [1, 2006.01]
G21C 9/004	1-Punkt Untergruppe	. Pressure suppression [5, 2006.01]
G21C 9/008	2-Punkt Untergruppe	.. by rupture-discs or -diaphragms [5, 2006.01]
G21C 9/012	2-Punkt Untergruppe	.. by thermal accumulation or by steam condensation, e.g. ice condensers [5, 2006.01]
G21C 9/016	1-Punkt Untergruppe	. Core catchers [5, 2006.01]
G21C 9/02	1-Punkt Untergruppe	. Means for effecting very rapid reduction of the reactivity factor under fault conditions, e.g. reactor fuse [1, 2006.01]
G21C 9/027	2-Punkt Untergruppe	.. by fast movement of a solid, e.g. pebbles [5, 2006.01]

Symbol	Typ	Titel
G21C 9/033	2-Punkt Untergruppe	... by an absorbent fluid [5, 2006.01]
G21C 9/04	1-Punkt Untergruppe	. Means for suppressing fires [1, 2006.01]
G21C 9/06	2-Punkt Untergruppe	... Means for preventing accumulation of explosives gases, e.g. recombiners [5, 2006.01]
G21C 11/00	Hauptgruppe	Shielding structurally associated with the reactor [1, 2006.01]
G21C 11/02	1-Punkt Untergruppe	. Biological shielding [1, 2006.01]
G21C 11/04	2-Punkt Untergruppe	... on waterborne craft [1, 2006.01]
G21C 11/06	1-Punkt Untergruppe	. Reflecting shields, i.e. for minimising loss of neutrons [1, 2006.01]
G21C 11/08	1-Punkt Untergruppe	. Thermal shields; Thermal linings, i.e. for dissipating heat from gamma radiation which would otherwise heat an outer biological shield [1, 2006.01]
G21C 13/00	Hauptgruppe	Pressure vessels; Containment vessels; Containment in general [1, 2006.01]
G21C 13/02	1-Punkt Untergruppe	. Details [1, 2006.01]
G21C 13/024	2-Punkt Untergruppe	... Supporting constructions for pressure vessels or containment vessels [5, 2006.01]
G21C 13/028	2-Punkt Untergruppe	... Seals, e.g. for pressure vessels or containment vessels [5, 2006.01]
G21C 13/032	2-Punkt Untergruppe	... Joints between tubes and vessel walls, e.g. taking into account thermal stresses [5, 2006.01]
G21C 13/036	3-Punkt Untergruppe	... the tube passing through the vessel wall, i.e. continuing on both sides of the wall [5, 2006.01]
G21C 13/04	2-Punkt Untergruppe	... Arrangements for expansion and contraction [1, 2006.01]
G21C 13/06	2-Punkt Untergruppe	... Sealing-plugs [1, 2006.01]
G21C 13/067	3-Punkt Untergruppe	... for tubes, e.g. standpipes; Locking devices for plugs [5, 2006.01]
G21C 13/073	3-Punkt Untergruppe	... Closures for reactor-vessels, e.g. rotatable [5, 2006.01]
G21C 13/08	1-Punkt Untergruppe	. Vessels characterised by the material; Selection of materials for pressure vessels [1, 2006.01]
G21C 13/087	2-Punkt Untergruppe	... Metallic vessels [5, 2006.01]
G21C 13/093	2-Punkt Untergruppe	... Concrete vessels [5, 2006.01]
G21C 13/10	1-Punkt Untergruppe	. Means for preventing contamination in event of leakage [1, 2006.01]
G21C 15/00	Hauptgruppe	Cooling arrangements within the pressure vessel containing the core; Selection of specific coolants [1, 2006.01]
G21C 15/02	1-Punkt Untergruppe	. Arrangement or disposition of passages in which heat is transferred to the coolant, e.g. for coolant circulation through the supports of the fuel elements [1, 2006.01]
G21C 15/04	2-Punkt Untergruppe	... from fissile or breeder material [1, 2006.01]
G21C 15/06	3-Punkt Untergruppe	... in fuel elements [1, 2006.01]
G21C 15/08	2-Punkt Untergruppe	... from moderating material [1, 2006.01]
G21C 15/10	2-Punkt Untergruppe	... from reflector or thermal shield [1, 2006.01]
G21C 15/12	2-Punkt Untergruppe	... from pressure vessel; from containment vessel [1, 2006.01]
G21C 15/14	2-Punkt Untergruppe	... from ducts conducting a hot fluid; from ducts comprising auxiliary apparatus, e.g. pumps, cameras [1, 2006.01]
G21C 15/16	1-Punkt Untergruppe	. comprising means for separating liquid and steam [1, 2006.01]

Symbol	Typ	Titel
G21C 15/18	1-Punkt Untergruppe	. Emergency cooling arrangements; Removing shut-down heat [1, 2006.01]
G21C 15/20	1-Punkt Untergruppe	. Partitions or thermal insulation between fuel channel and moderator, e.g. in pressure tube reactors [1, 2006.01]
G21C 15/22	1-Punkt Untergruppe	. Structural association of coolant tubes with headers or other pipes, e.g. in pressure tube reactors [1, 4, 2006.01]
G21C 15/24	1-Punkt Untergruppe	. Promoting flow of the coolant [1, 2006.01]
G21C 15/243	2-Punkt Untergruppe	... for liquids [5, 2006.01]
G21C 15/247	3-Punkt Untergruppe	... for liquid metals [5, 2006.01]
G21C 15/25	3-Punkt Untergruppe	... using jet pumps [5, 2006.01]
G21C 15/253	2-Punkt Untergruppe	... for gases, e.g. blowers [5, 2006.01]
G21C 15/257	2-Punkt Untergruppe	... using heat-pipes [5, 2006.01]
G21C 15/26	2-Punkt Untergruppe	... by convection, e.g. using chimneys, using divergent channels [1, 2006.01]
G21C 15/28	1-Punkt Untergruppe	. Selection of specific coolants (if serving as the moderator G21C 5/12) [1, 2006.01]
G21C 17/00	Hauptgruppe	Monitoring; Testing [1, 2006.01]
G21C 17/003	1-Punkt Untergruppe	. Remote inspection of vessels, e.g. pressure vessels [5, 2006.01]
G21C 17/007	2-Punkt Untergruppe	... Inspection of the outer surfaces of vessels [5, 2006.01]
G21C 17/01	2-Punkt Untergruppe	... Inspection of the inner surfaces of vessels [5, 2006.01]
G21C 17/013	2-Punkt Untergruppe	... Inspection vehicles [5, 2006.01]
G21C 17/017	1-Punkt Untergruppe	. Inspection or maintenance of pipe-lines or tubes in nuclear installations [5, 2006.01]
G21C 17/02	1-Punkt Untergruppe	. Devices or arrangements for monitoring coolant or moderator [1, 2006.01]
G21C 17/022	2-Punkt Untergruppe	... for monitoring liquid coolants or moderators [5, 2006.01]
G21C 17/025	3-Punkt Untergruppe	... for monitoring liquid metal coolants [5, 2006.01]
G21C 17/028	2-Punkt Untergruppe	... for monitoring gaseous coolants [5, 2006.01]
G21C 17/032	2-Punkt Untergruppe	... Reactor-coolant flow measuring or monitoring [5, 2006.01]
G21C 17/035	2-Punkt Untergruppe	... Moderator- or coolant-level detecting devices [5, 2006.01]
G21C 17/038	2-Punkt Untergruppe	... Boiling detection in moderator or coolant [5, 2006.01]
G21C 17/04	2-Punkt Untergruppe	... Detecting burst slugs [1, 2006.01]
G21C 17/06	1-Punkt Untergruppe	. Devices or arrangements for monitoring or testing fuel or fuel elements outside the reactor core, e.g. for burn-up, for contamination (G21C 17/08, G21C 17/10 take precedence; detecting leaking fuel elements during reactor operation G21C 17/04) [1, 2006.01]
G21C 17/07	2-Punkt Untergruppe	... Leak testing [5, 2006.01]
G21C 17/08	1-Punkt Untergruppe	. Structural combination of reactor core or moderator structure with viewing means, e.g. with television camera, periscope, window [1, 2006.01]
G21C 17/10	1-Punkt Untergruppe	. Structural combination of fuel element, control rod, reactor core, or moderator structure with sensitive instruments, e.g. for measuring radioactivity, strain [1, 2006.01]

Symbol	Typ	Titel
G21C 17/104	2-Punkt Untergruppe	... Measuring reactivity [5, 2006.01]
G21C 17/108	2-Punkt Untergruppe	... Measuring reactor flux [5, 2006.01]
G21C 17/112	2-Punkt Untergruppe	... Measuring temperature [5, 2006.01]
G21C 17/116	2-Punkt Untergruppe	... Passages or insulators, e.g. for electric cables [5, 2006.01]
G21C 17/12	2-Punkt Untergruppe	... Sensitive element forming part of control element [1, 2006.01]
G21C 17/14	1-Punkt Untergruppe	. Period meters [1, 2006.01]
G21C 19/00	Hauptgruppe	Arrangements for treating, for handling, or for facilitating the handling of, fuel or other materials which are used within the reactor, e.g. within its pressure vessel [1, 2, 2006.01]
G21C 19/02	1-Punkt Untergruppe	. Details of handling arrangements [1, 2006.01]
G21C 19/04	2-Punkt Untergruppe	... Means for controlling flow of coolant over objects being handled; Means for controlling flow of coolant through channel being serviced [1, 2006.01]
G21C 19/06	2-Punkt Untergruppe	... Means for supporting or storing fuel elements or control elements [1, 4, 2006.01]
G21C 19/07	3-Punkt Untergruppe	... Storage racks; Storage pools [5, 2006.01]
G21C 19/08	2-Punkt Untergruppe	... Means for heating fuel elements before introduction into the core; Means for heating or cooling fuel elements after removal from the core [1, 2006.01]
G21C 19/10	2-Punkt Untergruppe	... Lifting devices or pulling devices adapted for co-operation with fuel elements or with control elements [1, 2006.01]
G21C 19/105	3-Punkt Untergruppe	... with grasping or spreading coupling elements [5, 2006.01]
G21C 19/11	3-Punkt Untergruppe	... with revolving coupling elements, e.g. socket coupling [5, 2006.01]
G21C 19/115	3-Punkt Untergruppe	... with latching devices and ball couplings [5, 2006.01]
G21C 19/12	2-Punkt Untergruppe	... Arrangements for exerting direct hydraulic or pneumatic force on fuel element or on control element [1, 2006.01]
G21C 19/14	1-Punkt Untergruppe	. characterised by their adaptation for use with horizontal channels in the reactor core [1, 2006.01]
G21C 19/16	1-Punkt Untergruppe	. Articulated or telescopic chutes or tubes for connection to channels in the reactor core [1, 2006.01]
G21C 19/18	1-Punkt Untergruppe	. Apparatus for bringing fuel elements to the reactor charge area, e.g. from a storage place [1, 2006.01]
G21C 19/19	1-Punkt Untergruppe	. Reactor parts specifically adapted to facilitate handling, e.g. to facilitate charging or discharging of fuel elements [3, 2006.01]
G21C 19/20	1-Punkt Untergruppe	. Arrangements for introducing objects into the pressure vessel; Arrangements for handling objects within the pressure vessel; Arrangements for removing objects from the pressure vessel [1, 2006.01]
G21C 19/22	2-Punkt Untergruppe	.. Arrangements for obtaining access to the interior of a pressure vessel whilst the reactor is operating [1, 2006.01]
G21C 19/24	3-Punkt Untergruppe	... by using an auxiliary vessel which is temporarily sealed to the pressure vessel [1, 2006.01]
G21C 19/26	1-Punkt Untergruppe	. Arrangements for removing jammed or damaged fuel elements or control elements; Arrangements for moving broken parts thereof [1, 2006.01]
G21C 19/28	1-Punkt Untergruppe	. Arrangements for introducing fluent material into the reactor core; Arrangements for removing fluent material from the reactor core [1, 2006.01]
G21C 19/30	2-Punkt Untergruppe	.. with continuous purification of circulating fluent material, e.g. by extraction of fission products [1, 2006.01]

Symbol	Typ	Titel
G21C 19/303	3-Punkt Untergruppe	... specially adapted for gases (decontamination of gases G21F 9/02) [5, 2006.01]
G21C 19/307	3-Punkt Untergruppe	... specially adapted for liquids (decontamination of liquids G21F 9/04) [5, 2006.01]
G21C 19/31	4-Punkt Untergruppe	.... for molten metals [5, 2006.01]
G21C 19/313	5-Punkt Untergruppe	..... using cold traps [5, 2006.01]
G21C 19/317	3-Punkt Untergruppe	... Recombination devices for radiolytic dissociation products [5, 2006.01]
G21C 19/32	1-Punkt Untergruppe	. Apparatus for removing radioactive objects or materials from the reactor discharge area, e.g. to a storage place; Apparatus for handling radioactive objects or materials within a storage place or removing them therefrom (disposal of waste material G21F 9/00) [1, 2006.01]
G21C 19/33	1-Punkt Untergruppe	. Apparatus or processes for dismantling strings of spent fuel elements (G21C 19/34 takes precedence) [2, 2006.01]
G21C 19/34	1-Punkt Untergruppe	. Apparatus or processes for dismantling nuclear fuel, e.g. before reprocessing [1, 5, 2006.01]
G21C 19/36	2-Punkt Untergruppe	.. Mechanical means only [1, 2006.01]
G21C 19/365	3-Punkt Untergruppe	... Removing cannings or casings from fuel [5, 2006.01]
G21C 19/37	4-Punkt Untergruppe	.... by separating into pieces both the canning or the casing and the fuel element, e.g. by cutting or shearing [5, 2006.01]
G21C 19/375	3-Punkt Untergruppe	... Compacting devices, e.g. for fuel assemblies [5, 2006.01]
G21C 19/38	2-Punkt Untergruppe	.. Chemical means only [1, 2006.01]
G21C 19/40	1-Punkt Untergruppe	. Arrangements for preventing occurrence of critical conditions, e.g. during storage [1, 2006.01]
G21C 19/42	1-Punkt Untergruppe	. Reprocessing of irradiated fuel [1, 2006.01]
G21C 19/44	2-Punkt Untergruppe	.. of irradiated solid fuel [1, 2006.01]
G21C 19/46	3-Punkt Untergruppe	... Aqueous processes [1, 2006.01]
G21C 19/48	3-Punkt Untergruppe	... Non-aqueous processes [1, 2006.01]
G21C 19/50	2-Punkt Untergruppe	.. of irradiated fluid fuel [1, 2006.01]
G21C 21/00	Hauptgruppe	Apparatus or processes specially adapted to the manufacture of reactors or parts thereof [1, 2006.01]
G21C 21/02	1-Punkt Untergruppe	. Manufacture of fuel elements or breeder elements contained in non-active casings [1, 2006.01]
G21C 21/04	2-Punkt Untergruppe	.. by vibrational compaction or tamping [1, 2006.01]
G21C 21/06	2-Punkt Untergruppe	.. by swaging [1, 2006.01]
G21C 21/08	2-Punkt Untergruppe	.. by a slip-fit cladding process [1, 2006.01]
G21C 21/10	2-Punkt Untergruppe	.. by extrusion, drawing, or stretching [1, 2006.01]
G21C 21/12	2-Punkt Untergruppe	.. by hydrostatic or thermo-pneumatic canning [1, 2006.01]
G21C 21/14	2-Punkt Untergruppe	.. by plating in a fluid [1, 2006.01]
G21C 21/16	2-Punkt Untergruppe	.. by casting or dipping techniques [1, 2006.01]
G21C 21/18	1-Punkt Untergruppe	. Manufacture of control elements covered by group G21C 7/00 [1, 2006.01]
G21C 23/00	Hauptgruppe	Adaptations of reactors to facilitate experimentation or irradiation [3, 2006.01]