Symbol	Typ	Titel
G	**Sektion**	**SECTION G — PHYSICS**
G21	**Untersektion**	**NUCLEONICS**
G21	**Klasse**	**NUCLEAR PHYSICS; NUCLEAR ENGINEERING**
G21C	**Unterklasse**	**NUCLEAR REACTORS (analogue computers therefor G06G 7/54; fusion reactors, hybrid fission-fusion reactors G21B; nuclear explosives G21J)**
G21C 1/00	**Hauptgruppe**	**Reactors**
G21C 1/01	1-Punkt Untergruppe	. General details not provided for in groups G21C 3/00-G21C 19/00 [3]
G21C 1/02	1-Punkt Untergruppe	. Fast fission reactors, i.e. reactors not using a moderator
G21C 1/03	2-Punkt Untergruppe	. . cooled by a coolant not essentially pressurised, e.g. pool-type reactors [5]
G21C 1/04	1-Punkt Untergruppe	. Thermal reactors
G21C 1/06	2-Punkt Untergruppe	. . Heterogeneous reactors, i.e. in which fuel and moderator are separated
G21C 1/07	3-Punkt Untergruppe	. . . Pebble-bed reactors; Reactors with granular fuel [5]
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)
G21C 1/09	4-Punkt Untergruppe	. . . . Pressure regulating arrangements, i.e. pressurisers [5]
G21C 1/10	4-Punkt Untergruppe	. . . . moderator and coolant being different or separated
G21C 1/12	5-Punkt Untergruppe	. . . . . moderator being solid, e.g. Magnox reactor
G21C 1/14	3-Punkt Untergruppe	. . . moderator being substantially not pressurised, e.g. swimming-pool reactor (G21C 1/22 takes precedence)
G21C 1/16	4-Punkt Untergruppe	. . . . moderator and coolant being different or separated, e.g. sodium-graphite reactor
G21C 1/18	5-Punkt Untergruppe	. . . . . coolant being pressurised
G21C 1/20	6-Punkt Untergruppe	. . . . . moderator being liquid, e.g. pressure-tube reactor
G21C 1/22	3-Punkt Untergruppe	. . . using liquid or gaseous fuel
G21C 1/24	2-Punkt Untergruppe	. . Homogeneous reactors, i.e. in which fuel and moderator present an effectively homogeneous medium to the neutrons
G21C 1/26	3-Punkt Untergruppe	. . . Single-region reactors
G21C 1/28	3-Punkt Untergruppe	. . . Two-region reactors
G21C 1/30	1-Punkt Untergruppe	. Subcritical reactors
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]
G21C 3/00	**Hauptgruppe**	**Reactor fuel elements or their assemblies; Selection of substances for use as reactor fuel elements**
G21C 3/02	1-Punkt Untergruppe	. Fuel elements
G21C 3/04	2-Punkt Untergruppe	. . Constructional details
G21C 3/06	3-Punkt Untergruppe	. . . Casings; Jackets

Symbol	Typ	Titel
G21C 3/07	4-Punkt Untergruppe	. . . . characterised by their material, e.g. alloys [5]
G21C 3/08	4-Punkt Untergruppe	. . . . provided with external means to promote heat-transfer, e.g. fins, baffles, corrugations
G21C 3/10	4-Punkt Untergruppe	. . . . End closures
G21C 3/12	4-Punkt Untergruppe	. . . . Means forming part of the element for locating it within the reactor core; External spacers for this purpose
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
G21C 3/16	3-Punkt Untergruppe	. . . Details of the construction within the casing
G21C 3/17	4-Punkt Untergruppe	. . . . Means for storage or immobilisation of gases in fuel elements [5]
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)
G21C 3/20	4-Punkt Untergruppe	. . . . with coating on fuel or on inside of casing; with non-active interlayer between casing and active material
G21C 3/22	2-Punkt Untergruppe	. . with fissile or breeder material in contact with coolant
G21C 3/24	2-Punkt Untergruppe	. . with fissile or breeder material in fluid form within a non-active casing
G21C 3/26	2-Punkt Untergruppe	. . with fissile or breeder material in powder form within a non-active casing
G21C 3/28	2-Punkt Untergruppe	. . with fissile or breeder material in solid form within a non-active casing
G21C 3/30	1-Punkt Untergruppe	. Assemblies of a number of fuel elements in the form of a rigid unit
G21C 3/32	2-Punkt Untergruppe	. . Bundles of parallel pin-, rod-, or tube-shaped fuel elements
G21C 3/322	3-Punkt Untergruppe	. . . Means to influence the coolant flow through or around the bundles [5]
G21C 3/324	3-Punkt Untergruppe	. . . Coats or envelopes for the bundles [5]
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]
G21C 3/328	4-Punkt Untergruppe	. . . . Relative disposition of the elements in the bundle lattice [5]
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]
G21C 3/332	4-Punkt Untergruppe	. . . . Supports for spacer grids [5]
G21C 3/334	3-Punkt Untergruppe	. . . Assembling the bundles [5]
G21C 3/335	3-Punkt Untergruppe	. . . Exchanging elements in irradiated bundles [5]
G21C 3/336	3-Punkt Untergruppe	. . . Spacer elements for fuel rods in the bundle (spacer grids G21C 3/34) [5]
G21C 3/338	4-Punkt Untergruppe	. . . . Helicoidal spacer elements [5]
G21C 3/34	3-Punkt Untergruppe	. . . Spacer grids
G21C 3/344	4-Punkt Untergruppe	. . . . formed of assembled tubular elements [5]
G21C 3/348	4-Punkt Untergruppe	. . . . formed of assembled non-intersecting strips [5]
G21C 3/352	4-Punkt Untergruppe	. . . . formed of assembled intersecting strips [5]

Symbol	Typ	Titel
G21C 3/356	4-Punkt Untergruppe	. . . . being provided with fuel element supporting members [5]
G21C 3/36	2-Punkt Untergruppe	. . Assemblies of plate-shaped fuel elements or coaxial tubes
G21C 3/38	1-Punkt Untergruppe	. Fuel units consisting of a single fuel element in a supporting sleeve
G21C 3/40	1-Punkt Untergruppe	. Structural combination of fuel element with thermoelectric element for direct production of electric energy from fission heat (for temperature measurement G21C 17/10)
G21C 3/42	1-Punkt Untergruppe	. Selection of substances for use as reactor fuel
G21C 3/44	2-Punkt Untergruppe	. . Fluid or fluent reactor fuel
G21C 3/46	3-Punkt Untergruppe	. . . Aqueous compositions
G21C 3/48	4-Punkt Untergruppe	. . . . True or colloidal solutions of the active constituent
G21C 3/50	4-Punkt Untergruppe	. . . . Suspensions of the active constituent; Slurries
G21C 3/52	3-Punkt Untergruppe	. . . Liquid metal compositions
G21C 3/54	3-Punkt Untergruppe	. . . Fused salt, oxide, or hydroxide compositions
G21C 3/56	3-Punkt Untergruppe	. . . Gaseous compositions; Suspensions in a gaseous carrier
G21C 3/58	2-Punkt Untergruppe	. . Solid reactor fuel
G21C 3/60	3-Punkt Untergruppe	. . . Metallic fuel; Intermetallic dispersions
G21C 3/62	3-Punkt Untergruppe	. . . Ceramic fuel
G21C 3/64	4-Punkt Untergruppe	. . . . Ceramic dispersion fuel, e.g. cermet
G21C 5/00	**Hauptgruppe**	**Moderator or core structure; Selection of materials for use as moderator**
G21C 5/02	1-Punkt Untergruppe	. Details
G21C 5/04	2-Punkt Untergruppe	. . Spatial arrangements allowing for Wigner growth
G21C 5/06	2-Punkt Untergruppe	. . Means for locating or supporting fuel elements
G21C 5/08	2-Punkt Untergruppe	. . Means for preventing undesired asymmetric expansion of the complete structure
G21C 5/10	2-Punkt Untergruppe	. . Means for supporting the complete structure
G21C 5/12	1-Punkt Untergruppe	. characterised by composition, e.g. the moderator containing additional substances which ensure improved heat resistance of the moderator
G21C 5/14	1-Punkt Untergruppe	. characterised by shape
G21C 5/16	2-Punkt Untergruppe	. . Shape of its constituent parts
G21C 5/18	1-Punkt Untergruppe	. characterised by the provision of more than one active zone
G21C 5/20	2-Punkt Untergruppe	. . wherein one zone contains fissile material and another zone contains breeder material
G21C 5/22	2-Punkt Untergruppe	. . wherein one zone is a superheating zone
G21C 7/00	**Hauptgruppe**	**Control of nuclear reaction**
G21C 7/02	1-Punkt Untergruppe	. by using self-regulating properties of reactor materials (arrangements that involve temperature stability G21C 7/32)
G21C 7/04	2-Punkt Untergruppe	. . of burnable poisons (burnable poisons in fuel rods G21C 3/326) [5]

Symbol	Typ	Titel
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
G21C 7/08	2-Punkt Untergruppe	. . by displacement of solid control elements, e.g. control rods
G21C 7/10	3-Punkt Untergruppe	. . . Construction of control elements
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]
G21C 7/107	4-Punkt Untergruppe	. . . . Control elements adapted for pebble-bed reactors [5]
G21C 7/11	4-Punkt Untergruppe	. . . . Deformable control elements, e.g. flexible, telescopic, articulated [5]
G21C 7/113	4-Punkt Untergruppe	. . . . Control elements made of flat elements; Control elements having cruciform cross-section [5]
G21C 7/117	4-Punkt Untergruppe	. . . . Clusters of control rods; Spider construction [5]
G21C 7/12	3-Punkt Untergruppe	. . . Means for moving control elements to desired position (dropping rods in an emergency G21C 9/02)
G21C 7/14	4-Punkt Untergruppe	. . . . Mechanical drive arrangements
G21C 7/16	4-Punkt Untergruppe	. . . . Hydraulic or pneumatic drive arrangements
G21C 7/18	3-Punkt Untergruppe	. . . Means for obtaining differential movement of control elements
G21C 7/20	3-Punkt Untergruppe	. . . Disposition of shock-absorbing devices (shock-absorbers in general F16F)
G21C 7/22	2-Punkt Untergruppe	. . by displacement of a fluid or fluent neutron-absorbing material
G21C 7/24	2-Punkt Untergruppe	. . Selection of substances for use as neutron-absorbing material
G21C 7/26	1-Punkt Untergruppe	. by displacement of the moderator or parts thereof
G21C 7/27	2-Punkt Untergruppe	. . Spectral shift control [5]
G21C 7/28	1-Punkt Untergruppe	. by displacement of the reflector or parts thereof
G21C 7/30	1-Punkt Untergruppe	. by displacement of reactor fuel or fuel elements
G21C 7/32	1-Punkt Untergruppe	. by varying flow of coolant through the core
G21C 7/34	1-Punkt Untergruppe	. by utilisation of a primary neutron source
G21C 7/36	1-Punkt Untergruppe	. Control circuits
G21C 9/00	**Hauptgruppe**	**Emergency protection arrangements structurally associated with the reactor (emergency cooling arrangements G21C 15/18)**
G21C 9/004	1-Punkt Untergruppe	. Pressure suppression [5]
G21C 9/008	2-Punkt Untergruppe	. . by rupture-discs or -diaphragms [5]
G21C 9/012	2-Punkt Untergruppe	. . by thermal accumulation or by steam condensation, e.g. ice condensers [5]
G21C 9/016	1-Punkt Untergruppe	. Core catchers [5]
G21C 9/02	1-Punkt Untergruppe	. Means for effecting very rapid reduction of the reactivity factor under fault conditions, e.g. reactor fuse
G21C 9/027	2-Punkt Untergruppe	. . by fast movement of a solid, e.g. pebbles [5]
G21C 9/033	2-Punkt Untergruppe	. . by an absorbent fluid [5]
G21C 9/04	1-Punkt Untergruppe	. Means for suppressing fires

Symbol	Typ	Titel
G21C 9/06	2-Punkt Untergruppe	. . Means for preventing accumulation of explosives gases, e.g. recombiners [5]
G21C 11/00	**Hauptgruppe**	**Shielding structurally associated with the reactor**
G21C 11/02	1-Punkt Untergruppe	. Biological shielding (in general G21F)
G21C 11/04	2-Punkt Untergruppe	. . on waterborne craft
G21C 11/06	1-Punkt Untergruppe	. Reflecting shields, i.e. for minimising loss of neutrons
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
G21C 13/00	**Hauptgruppe**	**Pressure vessels; Containment vessels; Containment in general (for chemical or physical processes B01J 3/00; pressure vessels in general F16J 12/00)**
G21C 13/02	1-Punkt Untergruppe	. Details
G21C 13/024	2-Punkt Untergruppe	. . Supporting constructions for pressure vessels or containment vessels [5]
G21C 13/028	2-Punkt Untergruppe	. . Seals, e.g. for pressure vessels or containment vessels [5]
G21C 13/032	2-Punkt Untergruppe	. . Joints between tubes and vessel walls, e.g. taking into account thermal stresses [5]
G21C 13/036	3-Punkt Untergruppe	. . . the tube passing through the vessel wall, i.e. continuing on both sides of the wall [5]
G21C 13/04	2-Punkt Untergruppe	. . Arrangements for expansion and contraction
G21C 13/06	2-Punkt Untergruppe	. . Sealing-plugs (for pressure vessels in general F16J 13/00)
G21C 13/067	3-Punkt Untergruppe	. . . for tubes, e.g. standpipes; Locking devices for plugs [5]
G21C 13/073	3-Punkt Untergruppe	. . . Closures for reactor-vessels, e.g. rotatable [5]
G21C 13/08	1-Punkt Untergruppe	. Vessels characterised by the material; Selection of materials for pressure vessels
G21C 13/087	2-Punkt Untergruppe	. . Metallic vessels [5]
G21C 13/093	2-Punkt Untergruppe	. . Concrete vessels [5]
G21C 13/10	1-Punkt Untergruppe	. Means for preventing contamination in event of leakage
G21C 15/00	**Hauptgruppe**	**Cooling arrangements within the pressure vessel containing the core; Selection of specific coolants**
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
G21C 15/04	2-Punkt Untergruppe	. . from fissile or breeder material
G21C 15/06	3-Punkt Untergruppe	. . . in fuel elements
G21C 15/08	2-Punkt Untergruppe	. . from moderating material
G21C 15/10	2-Punkt Untergruppe	. . from reflector or thermal shield
G21C 15/12	2-Punkt Untergruppe	. . from pressure vessel; from containment vessel
G21C 15/14	2-Punkt Untergruppe	. . from ducts conducting a hot fluid; from ducts comprising auxiliary apparatus, e.g. pumps, cameras
G21C 15/16	1-Punkt Untergruppe	. comprising means for separating liquid and steam (separating in general B01D; steam traps F16T)
G21C 15/18	1-Punkt Untergruppe	. Emergency cooling arrangements; Removing shut-down heat
G21C 15/20	1-Punkt Untergruppe	. Partitions or thermal insulation between fuel channel and moderator, e.g. in pressure tube reactors

Symbol	Typ	Titel
G21C 15/22	1-Punkt Untergruppe	. Structural association of coolant tubes with headers or other pipes, e.g. in pressure tube reactors (joints of tubes in general F16L) [4]
G21C 15/24	1-Punkt Untergruppe	. Promoting flow of the coolant (electrodynamic pumps H02K 44/02)
G21C 15/243	2-Punkt Untergruppe	. . for liquids [5]
G21C 15/247	3-Punkt Untergruppe	. . . for liquid metals [5]
G21C 15/25	3-Punkt Untergruppe	. . . using jet pumps [5]
G21C 15/253	2-Punkt Untergruppe	. . for gases, e.g. blowers [5]
G21C 15/257	2-Punkt Untergruppe	. . using heat-pipes [5]
G21C 15/26	2-Punkt Untergruppe	. . by convection, e.g. using chimneys, using divergent channels
G21C 15/28	1-Punkt Untergruppe	. Selection of specific coolants (if serving as the moderator G21C 5/12; heat-transfer or heat-exchange materials C09K 5/00)
G21C 17/00	**Hauptgruppe**	**Monitoring; Testing (measuring in general G01)**
G21C 17/003	1-Punkt Untergruppe	. Remote inspection of vessels, e.g. pressure vessels [5]
G21C 17/007	2-Punkt Untergruppe	. . Inspection of the outer surfaces of vessels [5]
G21C 17/01	2-Punkt Untergruppe	. . Inspection of the inner surfaces of vessels [5]
G21C 17/013	2-Punkt Untergruppe	. . Inspection vehicles [5]
G21C 17/017	1-Punkt Untergruppe	. Inspection or maintenance of pipe-lines or tubes in nuclear installations [5]
G21C 17/02	1-Punkt Untergruppe	. Devices or arrangements for monitoring coolant or moderator
G21C 17/022	2-Punkt Untergruppe	. . for monitoring liquid coolants or moderators [5]
G21C 17/025	3-Punkt Untergruppe	. . . for monitoring liquid metal coolants [5]
G21C 17/028	2-Punkt Untergruppe	. . for monitoring gaseous coolants [5]
G21C 17/032	2-Punkt Untergruppe	. . Reactor-coolant flow measuring or monitoring [5]
G21C 17/035	2-Punkt Untergruppe	. . Moderator- or coolant-level detecting devices [5]
G21C 17/038	2-Punkt Untergruppe	. . Boiling detection in moderator or coolant [5]
G21C 17/04	2-Punkt Untergruppe	. . Detecting burst slugs
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)
G21C 17/07	2-Punkt Untergruppe	. . Leak testing [5]
G21C 17/08	1-Punkt Untergruppe	. Structural combination of reactor core or moderator structure with viewing means, e.g. with television camera, periscope, window
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
G21C 17/104	2-Punkt Untergruppe	. . Measuring reactivity [5]
G21C 17/108	2-Punkt Untergruppe	. . Measuring reactor flux [5]

Symbol	Typ	Titel
G21C 17/112	2-Punkt Untergruppe	. . Measuring temperature [5]
G21C 17/116	2-Punkt Untergruppe	. . Passages or insulators, e.g. for electric cables [5]
G21C 17/12	2-Punkt Untergruppe	. . Sensitive element forming part of control element
G21C 17/14	1-Punkt Untergruppe	. Period meters
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 [2]**
G21C 19/02	1-Punkt Untergruppe	. Details of handling arrangements
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
G21C 19/06	2-Punkt Untergruppe	. . Means for supporting or storing fuel elements or control elements [4]
G21C 19/07	3-Punkt Untergruppe	. . . Storage racks; Storage pools [5]
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
G21C 19/10	2-Punkt Untergruppe	. . Lifting devices or pulling devices adapted for co-operation with fuel elements or with control elements (manipulators B25J)
G21C 19/105	3-Punkt Untergruppe	. . . with grasping or spreading coupling elements [5]
G21C 19/11	3-Punkt Untergruppe	. . . with revolving coupling elements, e.g. socket coupling [5]
G21C 19/115	3-Punkt Untergruppe	. . . with latching devices and ball couplings [5]
G21C 19/12	2-Punkt Untergruppe	. . Arrangements for exerting direct hydraulic or pneumatic force on fuel element or on control element
G21C 19/14	1-Punkt Untergruppe	. characterised by their adaptation for use with horizontal channels in the reactor core
G21C 19/16	1-Punkt Untergruppe	. Articulated or telescopic chutes or tubes for connection to channels in the reactor core
G21C 19/18	1-Punkt Untergruppe	. Apparatus for bringing fuel elements to the reactor charge area, e.g. from a storage place
G21C 19/19	1-Punkt Untergruppe	. Reactor parts specifically adapted to facilitate handling, e.g. to facilitate charging or discharging of fuel elements [3]
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
G21C 19/22	2-Punkt Untergruppe	. . Arrangements for obtaining access to the interior of a pressure vessel whilst the reactor is operating
G21C 19/24	3-Punkt Untergruppe	. . . by using an auxiliary vessel which is temporarily sealed to the pressure vessel
G21C 19/26	1-Punkt Untergruppe	. Arrangements for removing jammed or damaged fuel elements or control elements; Arrangements for moving broken parts thereof
G21C 19/28	1-Punkt Untergruppe	. Arrangements for introducing fluent material into the reactor core; Arrangements for removing fluent material from the reactor core (pumping coolant G21D)
G21C 19/30	2-Punkt Untergruppe	. . with continuous purification of circulating fluent material, e.g. by extraction of fission products
G21C 19/303	3-Punkt Untergruppe	. . . specially adapted for gases (decontamination of gases G21F 9/02) [5]
G21C 19/307	3-Punkt Untergruppe	. . . specially adapted for liquids (decontamination of liquids G21F 9/04) [5]
G21C 19/31	4-Punkt Untergruppe	. . . . for molten metals [5]

Symbol	Typ	Titel
G21C 19/313	5-Punkt Untergruppe	. . . . . using cold traps [5]
G21C 19/317	3-Punkt Untergruppe	. . . Recombination devices for radiolytic dissociation products [5]
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)
G21C 19/33	1-Punkt Untergruppe	. Apparatus or processes for dismantling strings of spent fuel elements (G21C 19/34 takes precedence) [2]
G21C 19/34	1-Punkt Untergruppe	. Apparatus or processes for dismantling nuclear fuel, e.g. before reprocessing (shielded cells G21F 7/00) [5]
G21C 19/36	2-Punkt Untergruppe	. . Mechanical means only
G21C 19/365	3-Punkt Untergruppe	. . . Removing cannings or casings from fuel [5]
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]
G21C 19/375	3-Punkt Untergruppe	. . . Compacting devices, e.g. for fuel assemblies [5]
G21C 19/38	2-Punkt Untergruppe	. . Chemical means only
G21C 19/40	1-Punkt Untergruppe	. Arrangements for preventing occurrence of critical conditions, e.g. during storage
G21C 19/42	1-Punkt Untergruppe	. Reprocessing of irradiated fuel
G21C 19/44	2-Punkt Untergruppe	. . of irradiated solid fuel
G21C 19/46	3-Punkt Untergruppe	. . . Aqueous processes
G21C 19/48	3-Punkt Untergruppe	. . . Non-aqueous processes
G21C 19/50	2-Punkt Untergruppe	. . of irradiated fluid fuel
G21C 21/00	**Hauptgruppe**	**Apparatus or processes specially adapted to the manufacture of reactors or parts thereof (in general, section B, e.g. B23)**
G21C 21/02	1-Punkt Untergruppe	. Manufacture of fuel elements or breeder elements contained in non-active casings
G21C 21/04	2-Punkt Untergruppe	. . by vibrational compaction or tamping
G21C 21/06	2-Punkt Untergruppe	. . by swaging
G21C 21/08	2-Punkt Untergruppe	. . by a slip-fit cladding process
G21C 21/10	2-Punkt Untergruppe	. . by extrusion, drawing, or stretching
G21C 21/12	2-Punkt Untergruppe	. . by hydrostatic or thermo-pneumatic canning
G21C 21/14	2-Punkt Untergruppe	. . by plating in a fluid
G21C 21/16	2-Punkt Untergruppe	. . by casting or dipping techniques
G21C 21/18	1-Punkt Untergruppe	. Manufacture of control elements covered by group G21C 7/00
G21C 23/00	**Hauptgruppe**	**Adaptations of reactors to facilitate experimentation or irradiation [3]**