

Symbol	Typ	Titel
G	Sektion	PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING; TESTING
G01N	Unterklasse	INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES (measuring or testing processes other than immunoassay, involving enzymes or microorganisms C12M, C12Q)
G01N 1/00	Hauptgruppe	Sampling; Preparing specimens for investigation (handling materials for automatic analysis G01N 35/00) [1, 2006.01]
G01N 1/02	1-Punkt Untergruppe	. Devices for withdrawing samples [1, 2006.01]
G01N 1/04	2-Punkt Untergruppe	. . in the solid state, e.g. by cutting [1, 2006.01]
G01N 1/06	3-Punkt Untergruppe	. . . providing a thin slice, e.g. microtome [1, 2006.01]
G01N 1/08	3-Punkt Untergruppe	. . . involving an extracting tool, e.g. core bit [1, 2006.01]
G01N 1/10	2-Punkt Untergruppe	. . in the liquid or fluent state [1, 2006.01]
G01N 1/12	3-Punkt Untergruppe	. . . Dippers; Dredgers [1, 5, 2006.01]
G01N 1/14	3-Punkt Untergruppe	. . . Suction devices, e.g. pumps; Ejector devices [1, 2006.01]
G01N 1/16	3-Punkt Untergruppe	. . . with provision for intake at several levels (G01N 1/12, G01N 1/14 take precedence) [1, 2006.01]
G01N 1/18	3-Punkt Untergruppe	. . . with provision for splitting samples into portions (G01N 1/12, G01N 1/14 take precedence; fraction-collection apparatus for chromatography B01D 15/08) [1, 2006.01]
G01N 1/20	3-Punkt Untergruppe	. . . for flowing or falling materials (G01N 1/12, G01N 1/14 take precedence) [1, 2006.01]
G01N 1/22	2-Punkt Untergruppe	. . in the gaseous state [1, 2006.01]
G01N 1/24	3-Punkt Untergruppe	. . . Suction devices [1, 2006.01]
G01N 1/26	3-Punkt Untergruppe	. . . with provision for intake from several spaces [1, 2006.01]
G01N 1/28	1-Punkt Untergruppe	. Preparing specimens for investigation (mounting specimens on microscopic slides G02B 21/34; means for supporting the objects or the materials to be analysed in electron microscopes H01J 37/20) [1, 2006.01]
G01N 1/30	2-Punkt Untergruppe	. . Staining; Impregnating [1, 2006.01]
G01N 1/31	3-Punkt Untergruppe	. . . Apparatus therefor [6, 2006.01]
G01N 1/32	2-Punkt Untergruppe	. . Polishing; Etching [1, 2006.01]
G01N 1/34	2-Punkt Untergruppe	. . Purifying; Cleaning [1, 2006.01]
G01N 1/36	2-Punkt Untergruppe	. . Embedding or analogous mounting of samples [6, 2006.01]
G01N 1/38	2-Punkt Untergruppe	. . Diluting, dispersing or mixing samples [6, 2006.01]
G01N 1/40	2-Punkt Untergruppe	. . Concentrating samples [6, 2006.01]
G01N 1/42	2-Punkt Untergruppe	. . Low-temperature sample treatment, e.g. cryofixation [6, 2006.01]
G01N 1/44	2-Punkt Untergruppe	. . Sample treatment involving radiation, e.g. heat [6, 2006.01]
G01N 3/00	Hauptgruppe	Investigating strength properties of solid materials by application of mechanical stress [1, 2006.01]

Symbol	Typ	Titel
G01N 3/02	1-Punkt Untergruppe	. Details [1, 2006.01]
G01N 3/04	2-Punkt Untergruppe	. . Chucks [1, 2006.01]
G01N 3/06	2-Punkt Untergruppe	. . Special adaptations of indicating or recording means [1, 2006.01]
G01N 3/08	1-Punkt Untergruppe	. by applying steady tensile or compressive forces (G01N 3/28 takes precedence) [1, 2006.01]
G01N 3/10	2-Punkt Untergruppe	. . generated by pneumatic or hydraulic pressure (G01N 3/18 takes precedence) [1, 2006.01]
G01N 3/12	3-Punkt Untergruppe	. . . Pressure-testing [1, 2006.01]
G01N 3/14	2-Punkt Untergruppe	. . generated by dead weight, e.g. pendulum; generated by spring tension (G01N 3/18 takes precedence) [1, 2006.01]
G01N 3/16	2-Punkt Untergruppe	. . applied through gearing (G01N 3/18 takes precedence) [1, 2006.01]
G01N 3/18	2-Punkt Untergruppe	. . Performing tests at high or low temperatures [1, 2006.01]
G01N 3/20	1-Punkt Untergruppe	. by applying steady bending forces (G01N 3/26, G01N 3/28 take precedence) [1, 2006.01]
G01N 3/22	1-Punkt Untergruppe	. by applying steady torsional forces (G01N 3/26, G01N 3/28 take precedence) [1, 2006.01]
G01N 3/24	1-Punkt Untergruppe	. by applying steady shearing forces (G01N 3/26, G01N 3/28 take precedence) [1, 2006.01]
G01N 3/26	1-Punkt Untergruppe	. Investigating twisting or coiling properties [1, 2006.01]
G01N 3/28	1-Punkt Untergruppe	. Investigating ductility, e.g. suitability of sheet metal for deep-drawing or spinning [1, 2006.01]
G01N 3/30	1-Punkt Untergruppe	. by applying a single impulsive force (investigating hardness by performing impressions under impulsive load G01N 3/48) [1, 2006.01]
G01N 3/303	2-Punkt Untergruppe	. . generated only by free-falling weight [7, 2006.01]
G01N 3/307	2-Punkt Untergruppe	. . generated by a compressed or tensile-stressed spring; generated by pneumatic or hydraulic means [7, 2006.01]
G01N 3/31	2-Punkt Untergruppe	. . generated by a rotating fly-wheel [7, 2006.01]
G01N 3/313	2-Punkt Untergruppe	. . generated by explosives [7, 2006.01]
G01N 3/317	2-Punkt Untergruppe	. . generated by electromagnetic means [7, 2006.01]
G01N 3/32	1-Punkt Untergruppe	. by applying repeated or pulsating forces [1, 2006.01]
G01N 3/34	2-Punkt Untergruppe	. . generated by mechanical means, e.g. hammer blows [1, 2006.01]
G01N 3/36	2-Punkt Untergruppe	. . generated by pneumatic or hydraulic means [1, 2006.01]
G01N 3/38	2-Punkt Untergruppe	. . generated by electromagnetic means [1, 2006.01]
G01N 3/40	1-Punkt Untergruppe	. Investigating hardness or rebound hardness [1, 2006.01]
G01N 3/42	2-Punkt Untergruppe	. . by performing impressions under a steady load by indentors, e.g. sphere, pyramid (G01N 3/54 takes precedence) [1, 2006.01]
G01N 3/44	3-Punkt Untergruppe	. . . the indentors being put under a minor load and a subsequent major load, i.e. Rockwell system [1, 2006.01]
G01N 3/46	3-Punkt Untergruppe	. . . the indentors performing a scratching movement [1, 2006.01]
G01N 3/48	2-Punkt Untergruppe	. . by performing impressions under impulsive load by indentors, e.g. falling ball (G01N 3/54 takes precedence) [1, 2006.01]

Symbol	Typ	Titel
G01N 3/50	2-Punkt Untergruppe	. . by measuring rolling friction, e.g. by rocking pendulum (G01N 3/54 takes precedence) [1, 2006.01]
G01N 3/52	2-Punkt Untergruppe	. . by measuring extent of rebound of a striking body (G01N 3/54 takes precedence) [1, 2006.01]
G01N 3/54	2-Punkt Untergruppe	. . Performing tests at high or low temperatures [1, 2006.01]
G01N 3/56	1-Punkt Untergruppe	. Investigating resistance to wear or abrasion [1, 2006.01]
G01N 3/58	1-Punkt Untergruppe	. Investigating machinability by cutting tools; Investigating the cutting ability of tools [1, 2006.01]
G01N 3/60	1-Punkt Untergruppe	. Investigating resistance of materials, e.g. refractory materials, to rapid heat changes [1, 2006.01]
G01N 3/62	1-Punkt Untergruppe	. Manufacturing, calibrating, or repairing devices used in investigations covered by the preceding subgroups [1, 2006.01]
G01N 5/00	Hauptgruppe	Analysing materials by weighing, e.g. weighing small particles separated from a gas or liquid (G01N 9/00 takes precedence) [1, 2006.01]
G01N 5/02	1-Punkt Untergruppe	. by absorbing or adsorbing components of a material and determining change of weight of the adsorbent, e.g. determining moisture content [1, 2006.01]
G01N 5/04	1-Punkt Untergruppe	. by removing a component, e.g. by evaporation, and weighing the remainder [1, 2006.01]
G01N 7/00	Hauptgruppe	Analysing materials by measuring the pressure or volume of a gas or vapour [1, 2006.01]
G01N 7/02	1-Punkt Untergruppe	. by absorption, adsorption, or combustion of components and measurement of the change in pressure or volume of the remainder [1, 2006.01]
G01N 7/04	2-Punkt Untergruppe	. . by absorption or adsorption alone [1, 2006.01]
G01N 7/06	2-Punkt Untergruppe	. . by combustion alone [1, 2006.01]
G01N 7/08	2-Punkt Untergruppe	. . by combustion followed by absorption or adsorption of the combustion products [1, 2006.01]
G01N 7/10	1-Punkt Untergruppe	. by allowing diffusion of components through a porous wall and measuring a pressure or volume difference [1, 2006.01]
G01N 7/12	2-Punkt Untergruppe	. . the diffusion being followed by combustion or catalytic oxidation [1, 2006.01]
G01N 7/14	1-Punkt Untergruppe	. by allowing the material to emit a gas or vapour, e.g. water vapour, and measuring a pressure or volume difference [1, 2006.01]
G01N 7/16	2-Punkt Untergruppe	. . by heating the material [1, 2006.01]
G01N 7/18	2-Punkt Untergruppe	. . by allowing the material to react [1, 2006.01]
G01N 7/20	3-Punkt Untergruppe	. . . the reaction being fermentation [1, 2006.01]
G01N 7/22	4-Punkt Untergruppe	. . . . of dough [1, 2006.01]
G01N 9/00	Hauptgruppe	Investigating density or specific gravity of materials; Analysing materials by determining density or specific gravity [1, 2006.01]
G01N 9/02	1-Punkt Untergruppe	. by measuring weight of a known volume [1, 2006.01]
G01N 9/04	2-Punkt Untergruppe	. . of fluids [1, 2006.01]
G01N 9/06	3-Punkt Untergruppe	. . . with continuous circulation through a pivotally-supported member [1, 2006.01]
G01N 9/08	1-Punkt Untergruppe	. by measuring buoyant force of solid materials by weighing both in air and in a liquid [1, 2006.01]
G01N 9/10	1-Punkt Untergruppe	. by observing bodies wholly or partially immersed in fluid materials [1, 2006.01]
G01N 9/12	2-Punkt Untergruppe	. . by observing the depth of immersion of the bodies, e.g. hydrometers [1, 2006.01]
G01N 9/14	3-Punkt Untergruppe	. . . the body being built into a container [1, 2006.01]

Symbol	Typ	Titel
G01N 9/16	3-Punkt Untergruppe	. . . the body being pivoted [1, 2006.01]
G01N 9/18	3-Punkt Untergruppe	. . . Special adaptations for indicating, recording, or control [1, 2006.01]
G01N 9/20	2-Punkt Untergruppe	. . by balancing the weight of the bodies [1, 2006.01]
G01N 9/22	3-Punkt Untergruppe	. . . with continuous circulation of the fluid [1, 2006.01]
G01N 9/24	1-Punkt Untergruppe	. by observing the transmission of wave or particle radiation through the material [1, 2006.01]
G01N 9/26	1-Punkt Untergruppe	. by measuring pressure differences [1, 2006.01]
G01N 9/28	2-Punkt Untergruppe	. . by measuring the blowing pressure of gas bubbles escaping from nozzles at different depths in a liquid [1, 2006.01]
G01N 9/30	1-Punkt Untergruppe	. by using centrifugal effects [1, 2006.01]
G01N 9/32	1-Punkt Untergruppe	. by using flow properties of fluids, e.g. flow through tubes or apertures [1, 2006.01]
G01N 9/34	2-Punkt Untergruppe	. . by using elements moving through the fluid, e.g. vane [1, 2006.01]
G01N 9/36	1-Punkt Untergruppe	. Analysing materials by measuring the density or specific gravity, e.g. determining quantity of moisture (methods of measurement G01N 9/02-G01N 9/32) [1, 2006.01]
G01N 11/00	Hauptgruppe	Investigating flow properties of materials, e.g. viscosity, plasticity; Analysing materials by determining flow properties [1, 2006.01]
G01N 11/02	1-Punkt Untergruppe	. by measuring flow of the material [1, 2006.01]
G01N 11/04	2-Punkt Untergruppe	. . through a restricted passage, e.g. tube, aperture [1, 2006.01]
G01N 11/06	3-Punkt Untergruppe	. . . by timing the outflow of a known quantity [1, 2006.01]
G01N 11/08	3-Punkt Untergruppe	. . . by measuring pressure required to produce a known flow [1, 2006.01]
G01N 11/10	1-Punkt Untergruppe	. by moving a body within the material [1, 2006.01]
G01N 11/12	2-Punkt Untergruppe	. . by measuring rising or falling speed of the body; by measuring penetration of wedged gauges (G01N 11/16 takes precedence) [1, 2006.01]
G01N 11/14	2-Punkt Untergruppe	. . by using rotary bodies, e.g. vane (G01N 11/16 takes precedence) [1, 2006.01]
G01N 11/16	2-Punkt Untergruppe	. . by measuring damping effect upon oscillatory body [1, 2006.01]
G01N 13/00	Hauptgruppe	Investigating surface or boundary effects, e.g. wetting power; Investigating diffusion effects; Analysing materials by determining surface, boundary, or diffusion effects (scanning-probe techniques or apparatus G01Q) [1, 7, 2006.01]
G01N 13/02	1-Punkt Untergruppe	. Investigating surface tension of liquids [1, 2006.01]
G01N 13/04	1-Punkt Untergruppe	. Investigating osmotic effects [1, 2006.01]
G01N 15/00	Hauptgruppe	Investigating characteristics of particles; Investigating permeability, pore-volume or surface-area of porous materials (identification of microorganisms C12Q) [1, 4, 2006.01]
G01N 15/02	1-Punkt Untergruppe	. Investigating particle size or size distribution (G01N 15/04, G01N 15/10 take precedence; by measuring osmotic pressure G01N 7/10) [1, 4, 2006.01]
G01N 15/04	1-Punkt Untergruppe	. Investigating sedimentation of particle suspensions [1, 2006.01]
G01N 15/05	2-Punkt Untergruppe	. . in blood [4, 2006.01]
G01N 15/06	1-Punkt Untergruppe	. Investigating concentration of particle suspensions (G01N 15/04, G01N 15/10 take precedence; by weighing G01N 5/00) [1, 3, 2006.01]
G01N 15/08	1-Punkt Untergruppe	. Investigating permeability, pore volume, or surface area of porous materials [1, 2006.01]

Symbol	Typ	Titel
G01N 15/10	1-Punkt Untergruppe	. Investigating individual particles [4, 2006.01]
G01N 15/12	2-Punkt Untergruppe	. . Coulter-counters [4, 2006.01]
G01N 15/14	2-Punkt Untergruppe	. . Electro-optical investigation [4, 2006.01]
G01N 17/00	Hauptgruppe	Investigating resistance of materials to the weather, to corrosion, or to light [1, 2006.01]
G01N 17/02	1-Punkt Untergruppe	. Electrochemical measuring systems for weathering, corrosion or corrosion-protection measurement (G01N 17/04 takes precedence) [5, 2006.01]
G01N 17/04	1-Punkt Untergruppe	. Corrosion probes [5, 2006.01]
G01N 19/00	Hauptgruppe	Investigating materials by mechanical methods (G01N 3/00-G01N 17/00 take precedence) [1, 2006.01]
G01N 19/02	1-Punkt Untergruppe	. Measuring coefficient of friction between materials [1, 2006.01]
G01N 19/04	1-Punkt Untergruppe	. Measuring adhesive force between materials, e.g. of sealing tape, of coating [1, 2006.01]
G01N 19/06	1-Punkt Untergruppe	. Investigating by removing material, e.g. spark-testing [1, 2006.01]
G01N 19/08	1-Punkt Untergruppe	. Detecting presence of flaws or irregularities [1, 2006.01]
G01N 19/10	1-Punkt Untergruppe	. Measuring moisture content, e.g. by measuring change in length of hygroscopic filament; Hygrometers [1, 2006.01]
G01N 21/00	Hauptgruppe	Investigating or analysing materials by the use of optical means, i.e. using infra-red, visible or ultra-violet light (G01N 3/00-G01N 19/00 take precedence) [1, 2006.01]
G01N 21/01	1-Punkt Untergruppe	. Arrangements or apparatus for facilitating the optical investigation [3, 2006.01]
G01N 21/03	2-Punkt Untergruppe	. . Cuvette constructions [3, 2006.01]
G01N 21/05	3-Punkt Untergruppe	. . . Flow-through cuvettes (G01N 21/09 takes precedence) [3, 2006.01]
G01N 21/07	3-Punkt Untergruppe	. . . Centrifugal type cuvettes (G01N 21/09 takes precedence) [3, 2006.01]
G01N 21/09	3-Punkt Untergruppe	. . . adapted to resist hostile environments or corrosive or abrasive materials [3, 2006.01]
G01N 21/11	2-Punkt Untergruppe	. . Filling or emptying of cuvettes [3, 2006.01]
G01N 21/13	2-Punkt Untergruppe	. . Moving of cuvettes or solid samples to or from the investigating station [3, 2006.01]
G01N 21/15	2-Punkt Untergruppe	. . Preventing contamination of the components of the optical system or obstruction of the light path [3, 2006.01]
G01N 21/17	1-Punkt Untergruppe	. Systems in which incident light is modified in accordance with the properties of the material investigated (where the material investigated is optically excited causing a change in wavelength of the incident light G01N 21/63) [3, 2006.01]
G01N 21/19	2-Punkt Untergruppe	. . Dichroism [3, 2006.01]
G01N 21/21	2-Punkt Untergruppe	. . Polarisation-affecting properties (G01N 21/19 takes precedence) [3, 2006.01]
G01N 21/23	3-Punkt Untergruppe	. . . Bi-refringence [3, 2006.01]
G01N 21/25	2-Punkt Untergruppe	. . Colour; Spectral properties, i.e. comparison of effect of material on the light at two or more different wavelengths or wavelength bands [3, 2006.01]
G01N 21/27	3-Punkt Untergruppe	. . . using photo-electric detection (G01N 21/31 takes precedence) [3, 2006.01]
G01N 21/29	3-Punkt Untergruppe	. . . using visual detection (G01N 21/31 takes precedence) [3, 2006.01]
G01N 21/31	3-Punkt Untergruppe	. . . Investigating relative effect of material at wavelengths characteristic of specific elements or molecules, e.g. atomic absorption spectrometry [3, 2006.01]

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G01N 21/33	4-Punkt Untergruppe using ultra-violet light (G01N 21/39 takes precedence) [3, 2006.01]
G01N 21/35	4-Punkt Untergruppe	. . . . using infra-red light (G01N 21/39 takes precedence) [3, 2006.01, 2014.01]
G01N 21/3504	5-Punkt Untergruppe	. . . . . for analysing gases, e.g. multi-gas analysis [2014.01]
G01N 21/3518	6-Punkt Untergruppe	. . . . . Devices using gas filter correlation techniques; Devices using gas pressure modulation techniques [2014.01]
G01N 21/3554	5-Punkt Untergruppe	. . . . . for determining moisture content [2014.01]
G01N 21/3559	6-Punkt Untergruppe	. . . . . in sheets, e.g. in paper [2014.01]
G01N 21/3563	5-Punkt Untergruppe	. . . . . for analysing solids; Preparation of samples therefor [2014.01]
G01N 21/3577	5-Punkt Untergruppe	. . . . . for analysing liquids, e.g. polluted water [2014.01]
G01N 21/3581	5-Punkt Untergruppe	. . . . . using far infra-red light; using Terahertz radiation [2014.01]
G01N 21/3586	6-Punkt Untergruppe	. . . . . by Terahertz time domain spectroscopy [THz-TDS] [2014.01]
G01N 21/359	5-Punkt Untergruppe	. . . . . using near infra-red light [2014.01]
G01N 21/37	5-Punkt Untergruppe	. . . . . using pneumatic detection [3, 2006.01]
G01N 21/39	4-Punkt Untergruppe	. . . . using tunable lasers [3, 2006.01]
G01N 21/41	2-Punkt Untergruppe	. . Refractivity; Phase-affecting properties, e.g. optical path length (G01N 21/21 takes precedence) [3, 2006.01]
G01N 21/43	3-Punkt Untergruppe	. . . by measuring critical angle [3, 2006.01]
G01N 21/45	3-Punkt Untergruppe	. . . using interferometric methods; using Schlieren methods [3, 2006.01]
G01N 21/47	2-Punkt Untergruppe	. . Scattering, i.e. diffuse reflection (G01N 21/25, G01N 21/41 take precedence) [3, 2006.01]
G01N 21/49	3-Punkt Untergruppe	. . . within a body or fluid [3, 2006.01]
G01N 21/51	4-Punkt Untergruppe	. . . . inside a container, e.g. in an ampoule (G01N 21/53 takes precedence) [3, 2006.01]
G01N 21/53	4-Punkt Untergruppe	. . . . within a flowing fluid, e.g. smoke [3, 2006.01]
G01N 21/55	2-Punkt Untergruppe	. . Specular reflectivity [3, 2006.01, 2014.01]
G01N 21/552	3-Punkt Untergruppe	. . . Attenuated total reflection [2014.01]
G01N 21/57	3-Punkt Untergruppe	. . . Measuring gloss [3, 2006.01]
G01N 21/59	2-Punkt Untergruppe	. . Transmissivity (G01N 21/25 takes precedence) [3, 2006.01]
G01N 21/61	3-Punkt Untergruppe	. . . Non-dispersive gas analysers [3, 2006.01]
G01N 21/62	1-Punkt Untergruppe	. Systems in which the material investigated is excited whereby it emits light or causes a change in wavelength of the incident light [3, 2006.01]
G01N 21/63	2-Punkt Untergruppe	. . optically excited [3, 2006.01]
G01N 21/64	3-Punkt Untergruppe	. . . Fluorescence; Phosphorescence [3, 2006.01]
G01N 21/65	3-Punkt Untergruppe	. . . Raman scattering [3, 2006.01]
G01N 21/66	2-Punkt Untergruppe	. . electrically excited, e.g. electroluminescence [3, 2006.01]

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G01N 21/67	3-Punkt Untergruppe	. . . using electric arcs or discharges [3, 2006.01]
G01N 21/68	3-Punkt Untergruppe	. . . using high frequency electric fields [3, 2006.01]
G01N 21/69	3-Punkt Untergruppe	. . . specially adapted for fluids [3, 2006.01]
G01N 21/70	2-Punkt Untergruppe	. . mechanically excited, e.g. triboluminescence [3, 2006.01]
G01N 21/71	2-Punkt Untergruppe	. . thermally excited [3, 2006.01]
G01N 21/72	3-Punkt Untergruppe	. . . using flame burners [3, 2006.01]
G01N 21/73	3-Punkt Untergruppe	. . . using plasma burners or torches [3, 2006.01]
G01N 21/74	3-Punkt Untergruppe	. . . using flameless atomising, e.g. graphite furnaces [3, 2006.01]
G01N 21/75	1-Punkt Untergruppe	. Systems in which material is subjected to a chemical reaction, the progress or the result of the reaction being investigated (systems in which material is burnt in a flame or plasma G01N 21/72, G01N 21/73) [3, 2006.01]
G01N 21/76	2-Punkt Untergruppe	. . Chemiluminescence; Bioluminescence [3, 2006.01]
G01N 21/77	2-Punkt Untergruppe	. . by observing the effect on a chemical indicator [3, 2006.01]
G01N 21/78	3-Punkt Untergruppe	. . . producing a change of colour [3, 2006.01]
G01N 21/79	4-Punkt Untergruppe	. . . . Photometric titration [3, 2006.01]
G01N 21/80	4-Punkt Untergruppe	. . . . Indicating pH value [3, 2006.01]
G01N 21/81	4-Punkt Untergruppe	. . . . Indicating humidity [3, 2006.01]
G01N 21/82	3-Punkt Untergruppe	. . . producing a precipitate or turbidity [3, 2006.01]
G01N 21/83	4-Punkt Untergruppe	. . . . Turbidimetric titration [3, 2006.01]
G01N 21/84	1-Punkt Untergruppe	. Systems specially adapted for particular applications [3, 2006.01]
G01N 21/85	2-Punkt Untergruppe	. . Investigating moving fluids or granular solids [3, 2006.01]
G01N 21/86	2-Punkt Untergruppe	. . Investigating moving sheets (G01N 21/89 takes precedence) [3, 2006.01]
G01N 21/87	2-Punkt Untergruppe	. . Investigating jewels (G01N 21/88 takes precedence) [3, 2006.01]
G01N 21/88	2-Punkt Untergruppe	. . Investigating the presence of flaws, defects or contamination [3, 2006.01]
G01N 21/89	3-Punkt Untergruppe	. . . in moving material, e.g. paper, textiles (G01N 21/90, G01N 21/91, G01N 21/94 take precedence) [3, 7, 2006.01]
G01N 21/892	4-Punkt Untergruppe	. . . . characterised by the flaw, defect or object feature examined [7, 2006.01]
G01N 21/894	5-Punkt Untergruppe	. . . . . Pinholes [7, 2006.01]
G01N 21/896	5-Punkt Untergruppe	. . . . . Optical defects in or on transparent materials, e.g. distortion, surface flaws [7, 2006.01]
G01N 21/898	5-Punkt Untergruppe	. . . . . Irregularities in textured or patterned surfaces, e.g. textiles, wood [7, 2006.01]
G01N 21/90	3-Punkt Untergruppe	. . . in a container or its contents (G01N 21/91 takes precedence) [3, 2006.01]
G01N 21/91	3-Punkt Untergruppe	. . . using penetration of dyes, e.g. fluorescent ink [3, 2006.01]
G01N 21/93	3-Punkt Untergruppe	. . . Detection standards; Calibrating [7, 2006.01]

Symbol	Typ	Titel
G01N 21/94	3-Punkt Untergruppe	. . . Investigating contamination, e.g. dust (G01N 21/85 takes precedence) [7, 2006.01]
G01N 21/95	3-Punkt Untergruppe	. . . characterised by the material or shape of the object to be examined (G01N 21/89-G01N 21/91, G01N 21/94 take precedence) [7, 2006.01]
G01N 21/952	4-Punkt Untergruppe	. . . . Inspecting the exterior surface of cylindrical bodies or wires (G01N 21/956 takes precedence) [7, 2006.01]
G01N 21/954	4-Punkt Untergruppe	. . . . Inspecting the inner surface of hollow bodies, e.g. bores [7, 2006.01]
G01N 21/956	4-Punkt Untergruppe	. . . . Inspecting patterns on the surface of objects [7, 2006.01]
G01N 21/958	4-Punkt Untergruppe	. . . . Inspecting transparent materials [7, 2006.01]
G01N 22/00	Hauptgruppe	Investigating or analysing materials by the use of microwaves (G01N 3/00-G01N 17/00, G01N 24/00 take precedence) [3, 2006.01]
G01N 22/02	1-Punkt Untergruppe	. Investigating the presence of flaws [3, 2006.01]
G01N 22/04	1-Punkt Untergruppe	. Investigating moisture content [3, 2006.01]
G01N 23/00	Hauptgruppe	Investigating or analysing materials by the use of wave or particle radiation not covered by group G01N 21/00 or G01N 22/00, e.g. X-rays, neutrons (G01N 3/00-G01N 17/00 take precedence) [1, 2006.01]
G01N 23/02	1-Punkt Untergruppe	. by transmitting the radiation through the material [1, 2006.01]
G01N 23/04	2-Punkt Untergruppe	. . and forming a picture [1, 2006.01]
G01N 23/05	3-Punkt Untergruppe	. . . using neutrons [3, 2006.01]
G01N 23/06	2-Punkt Untergruppe	. . and measuring the absorption [1, 2006.01]
G01N 23/08	3-Punkt Untergruppe	. . . using electric detection means [1, 2006.01]
G01N 23/083	4-Punkt Untergruppe	. . . . the radiation being X-rays (G01N 23/10-G01N 23/18 take precedence) [5, 2006.01]
G01N 23/087	5-Punkt Untergruppe	. . . . . using polyenergetic X-rays [5, 2006.01]
G01N 23/09	4-Punkt Untergruppe	. . . . the radiation being neutrons [3, 2006.01]
G01N 23/10	4-Punkt Untergruppe	. . . . the material being confined in a container (G01N 23/09 takes precedence) [1, 3, 2006.01]
G01N 23/12	4-Punkt Untergruppe	. . . . the material being a flowing fluid or a flowing granular solid (G01N 23/09 takes precedence) [1, 3, 2006.01]
G01N 23/14	5-Punkt Untergruppe	. . . . . specially adapted for controlling or monitoring operations or for signalling [1, 2006.01]
G01N 23/16	4-Punkt Untergruppe	. . . . the material being a moving sheet (G01N 23/09, G01N 23/18 take precedence) [1, 3, 2006.01]
G01N 23/18	4-Punkt Untergruppe	. . . . Investigating the presence of flaws or inclusions (G01N 23/09 takes precedence) [1, 3, 5, 2006.01]
G01N 23/20	1-Punkt Untergruppe	. by using diffraction of the radiation, e.g. for investigating crystal structure; by using reflection of the radiation [1, 2006.01]
G01N 23/201	2-Punkt Untergruppe	. . by measuring small-angle scattering [2, 2006.01]
G01N 23/202	3-Punkt Untergruppe	. . . using neutrons [3, 2006.01]
G01N 23/203	2-Punkt Untergruppe	. . by measuring back scattering [2, 2006.01]
G01N 23/204	3-Punkt Untergruppe	. . . using neutrons [3, 2006.01]
G01N 23/205	2-Punkt Untergruppe	. . by means of diffraction cameras (G01N 23/201 takes precedence) [2, 2006.01]

Symbol	Typ	Titel
G01N 23/206	3-Punkt Untergruppe	. . . the radiation being neutrons [3, 2006.01]
G01N 23/207	2-Punkt Untergruppe	. . by means of diffractometry using detectors, e.g. using an analysing crystal or a crystal to be analysed in a central position and one or more displaceable detectors in circumferential positions (G01N 23/201 takes precedence) [2, 2006.01]
G01N 23/22	1-Punkt Untergruppe	. by measuring secondary emission [1, 2, 2006.01]
G01N 23/221	2-Punkt Untergruppe	. . by activation analysis [2, 2006.01]
G01N 23/222	3-Punkt Untergruppe	. . . using neutrons [3, 2006.01]
G01N 23/223	2-Punkt Untergruppe	. . by irradiating the sample with X-rays and by measuring X-ray fluorescence [2, 2006.01]
G01N 23/225	2-Punkt Untergruppe	. . using electron or ion microprobe [2, 2006.01]
G01N 23/227	2-Punkt Untergruppe	. . by measuring photoelectric effect, e.g. Auger electrons [2, 2006.01]
G01N 24/00	Hauptgruppe	Investigating or analysing materials by the use of nuclear magnetic resonance, electron paramagnetic resonance or other spin effects [3, 4, 5, 2006.01]
G01N 24/08	1-Punkt Untergruppe	. by using nuclear magnetic resonance (G01N 24/12 takes precedence) [3, 2006.01]
G01N 24/10	1-Punkt Untergruppe	. by using electron paramagnetic resonance (G01N 24/12 takes precedence) [3, 2006.01]
G01N 24/12	1-Punkt Untergruppe	. by using double resonance [3, 2006.01]
G01N 24/14	1-Punkt Untergruppe	. by using cyclotron resonance [3, 2006.01]
G01N 25/00	Hauptgruppe	Investigating or analysing materials by the use of thermal means (G01N 3/00-G01N 23/00 take precedence) [1, 2006.01]
G01N 25/02	1-Punkt Untergruppe	. by investigating changes of state or changes of phase; by investigating sintering [1, 2006.01]
G01N 25/04	2-Punkt Untergruppe	. . of melting point; of freezing point; of softening point [1, 2006.01]
G01N 25/06	3-Punkt Untergruppe	. . . Analysis by measuring change of freezing point [1, 2006.01]
G01N 25/08	2-Punkt Untergruppe	. . of boiling point [1, 2006.01]
G01N 25/10	3-Punkt Untergruppe	. . . Analysis by measuring change of boiling point [1, 2006.01]
G01N 25/12	2-Punkt Untergruppe	. . of critical point; of other phase change [1, 2006.01]
G01N 25/14	1-Punkt Untergruppe	. by using distillation, extraction, sublimation, condensation, freezing, or crystallisation (G01N 25/02 takes precedence) [1, 2006.01]
G01N 25/16	1-Punkt Untergruppe	. by investigating thermal coefficient of expansion [1, 2006.01]
G01N 25/18	1-Punkt Untergruppe	. by investigating thermal conductivity (by calorimetry G01N 25/20; by measuring change of resistance of an electrically-heated body G01N 27/18) [1, 2006.01]
G01N 25/20	1-Punkt Untergruppe	. by investigating the development of heat, i.e. calorimetry, e.g. by measuring specific heat, by measuring thermal conductivity [1, 2006.01]
G01N 25/22	2-Punkt Untergruppe	. . on combustion or catalytic oxidation, e.g. of components of gas mixtures [1, 2006.01]
G01N 25/24	3-Punkt Untergruppe	. . . using combustion tubes, e.g. for microanalysis [1, 2006.01]
G01N 25/26	3-Punkt Untergruppe	. . . using combustion with oxygen under pressure, e.g. in bomb calorimeter [1, 2006.01]
G01N 25/28	3-Punkt Untergruppe	. . . the rise in temperature of the gases resulting from combustion being measured directly [1, 2006.01]
G01N 25/30	4-Punkt Untergruppe	. . . . using electric temperature-responsive elements [1, 2006.01]

Symbol	Typ	Titel
G01N 25/32	5-Punkt Untergruppe	. . . . . using thermoelectric elements [1, 2006.01]
G01N 25/34	4-Punkt Untergruppe	. . . . using mechanical temperature-responsive elements, e.g. bimetallic [1, 2006.01]
G01N 25/36	5-Punkt Untergruppe	. . . . . for investigating the composition of gas mixtures [1, 2006.01]
G01N 25/38	4-Punkt Untergruppe	. . . . using the melting or combustion of a solid [1, 2006.01]
G01N 25/40	3-Punkt Untergruppe	. . . the heat developed being transferred to a flowing fluid [1, 2006.01]
G01N 25/42	4-Punkt Untergruppe	. . . . continuously [1, 2006.01]
G01N 25/44	3-Punkt Untergruppe	. . . the heat developed being transferred to a fixed quantity of fluid [1, 2006.01]
G01N 25/46	4-Punkt Untergruppe	. . . . for investigating the composition of gas mixtures [1, 2006.01]
G01N 25/48	2-Punkt Untergruppe	. . on solution, sorption, or a chemical reaction not involving combustion or catalytic oxidation [1, 2006.01]
G01N 25/50	1-Punkt Untergruppe	. by investigating flash-point; by investigating explosibility [1, 2006.01]
G01N 25/52	2-Punkt Untergruppe	. . by determining flash-point of liquids [1, 2006.01]
G01N 25/54	2-Punkt Untergruppe	. . by determining explosibility [1, 2006.01]
G01N 25/56	1-Punkt Untergruppe	. by investigating moisture content [1, 2006.01]
G01N 25/58	2-Punkt Untergruppe	. . by measuring changes of properties of the material due to heat, cold, or expansion [1, 2006.01]
G01N 25/60	3-Punkt Untergruppe	. . . for determining the wetness of steam [1, 2006.01]
G01N 25/62	2-Punkt Untergruppe	. . by psychrometric means, e.g. wet-and-dry-bulb thermometers [1, 2006.01]
G01N 25/64	3-Punkt Untergruppe	. . . using electric temperature-responsive elements [1, 2006.01]
G01N 25/66	2-Punkt Untergruppe	. . by investigating dew-point [1, 2006.01]
G01N 25/68	3-Punkt Untergruppe	. . . by varying the temperature of a condensing surface [1, 2006.01]
G01N 25/70	3-Punkt Untergruppe	. . . by varying the temperature of the material, e.g. by compression, by expansion [1, 2006.01]
G01N 25/72	1-Punkt Untergruppe	. Investigating presence of flaws [1, 2006.01]
G01N 27/00	Hauptgruppe	Investigating or analysing materials by the use of electric, electro-chemical, or magnetic means (G01N 3/00-G01N 25/00 take precedence; measurement or testing of electric or magnetic variables or of electric or magnetic properties of materials G01R) [1, 2006.01]
G01N 27/02	1-Punkt Untergruppe	. by investigating impedance [1, 2006.01]
G01N 27/04	2-Punkt Untergruppe	. . by investigating resistance [1, 2006.01]
G01N 27/06	3-Punkt Untergruppe	. . . of a liquid (involving electrolysis G01N 27/26) [1, 2006.01]
G01N 27/07	4-Punkt Untergruppe	. . . . Construction of measuring vessels; Electrodes therefor [2, 2006.01]
G01N 27/08	4-Punkt Untergruppe	. . . . which is flowing continuously [1, 2006.01]
G01N 27/10	5-Punkt Untergruppe	. . . . . Investigation or analysis specially adapted for controlling or monitoring operations or for signalling [1, 2006.01]
G01N 27/12	3-Punkt Untergruppe	. . . of a solid body in dependence upon absorption of a fluid; of a solid body in dependence upon reaction with a fluid [1, 2006.01]
G01N 27/14	3-Punkt Untergruppe	. . . of an electrically-heated body in dependence upon change of temperature [1, 2006.01]

Symbol	Typ	Titel
G01N 27/16	4-Punkt Untergruppe	. . . . caused by burning or catalytic oxidation of surrounding material to be tested, e.g. of gas [1, 2006.01]
G01N 27/18	4-Punkt Untergruppe	. . . . caused by changes in the thermal conductivity of a surrounding material to be tested (G01N 27/20 takes precedence) [1, 2006.01]
G01N 27/20	3-Punkt Untergruppe	. . . Investigating the presence of flaws [1, 2006.01]
G01N 27/22	2-Punkt Untergruppe	. . by investigating capacitance [1, 2006.01]
G01N 27/24	3-Punkt Untergruppe	. . . Investigating the presence of flaws [1, 2006.01]
G01N 27/26	1-Punkt Untergruppe	. by investigating electrochemical variables; by using electrolysis or electrophoresis [1, 5, 2006.01]
G01N 27/27	2-Punkt Untergruppe	. . Association of two or more measuring systems or cells, each measuring a different parameter, where the measurement results may be either used independently, the systems or cells being physically associated, or combined to produce a value for a further parameter [5, 2006.01]
G01N 27/28	2-Punkt Untergruppe	. . Electrolytic cell components [1, 2006.01]
G01N 27/30	3-Punkt Untergruppe	. . . Electrodes, e.g. test electrodes; Half-cells (G01N 27/414 takes precedence) [1, 5, 2006.01]
G01N 27/31	4-Punkt Untergruppe	. . . . Half-cells with permeable membranes, e.g. semi-porous or perm-selective membranes [5, 2006.01]
G01N 27/32	4-Punkt Untergruppe	. . . . Calomel electrodes [1, 2006.01]
G01N 27/327	4-Punkt Untergruppe	. . . . Biochemical electrodes [5, 2006.01]
G01N 27/333	4-Punkt Untergruppe	. . . . Ion-selective electrodes or membranes (glass electrodes G01N 27/36) [5, 2006.01]
G01N 27/34	4-Punkt Untergruppe	. . . . Dropping-mercury electrodes [1, 2006.01]
G01N 27/36	4-Punkt Untergruppe	. . . . Glass electrodes [1, 2006.01]
G01N 27/38	4-Punkt Untergruppe	. . . . Cleaning of electrodes [1, 2006.01]
G01N 27/40	3-Punkt Untergruppe	. . . Semi-permeable membranes or partitions [1, 2006.01]
G01N 27/401	3-Punkt Untergruppe	. . . Salt-bridge leaks; Liquid junctions [5, 2006.01]
G01N 27/403	2-Punkt Untergruppe	. . Cells and electrode assemblies [5, 2006.01]
G01N 27/404	3-Punkt Untergruppe	. . . Cells with anode, cathode and cell electrolyte on the same side of a permeable membrane which separates them from the sample fluid [5, 2006.01]
G01N 27/406	3-Punkt Untergruppe	. . . Cells and probes with solid electrolytes [5, 2006.01]
G01N 27/407	4-Punkt Untergruppe	. . . . for investigating or analysing gases [5, 2006.01]
G01N 27/409	5-Punkt Untergruppe	. . . . . Oxygen concentration cells [5, 2006.01]
G01N 27/41	5-Punkt Untergruppe	. . . . . Oxygen pumping cells [5, 2006.01]
G01N 27/411	4-Punkt Untergruppe	. . . . for investigating or analysing of liquid metals [5, 2006.01]
G01N 27/413	3-Punkt Untergruppe	. . . Concentration cells using liquid electrolytes [5, 2006.01]
G01N 27/414	3-Punkt Untergruppe	. . . Ion-sensitive or chemical field-effect transistors, i.e. ISFETS or CHEMFETS [5, 2006.01]
G01N 27/416	2-Punkt Untergruppe	. . Systems (G01N 27/27 takes precedence) [5, 2006.01]
G01N 27/417	3-Punkt Untergruppe	. . . using cells and probes with solid electrolytes [5, 2006.01]

Symbol	Typ	Titel
G01N 27/419	4-Punkt Untergruppe	. . . . Measuring voltages or currents with a combination of oxygen pumping cells and oxygen concentration cells [5, 2006.01]
G01N 27/42	3-Punkt Untergruppe	. . . Measuring deposition or liberation of materials from an electrolyte; Coulometry, i.e. measuring coulomb-equivalent of material in an electrolyte [1, 5, 2006.01]
G01N 27/44	4-Punkt Untergruppe	. . . . using electrolysis to generate a reagent, e.g. for titration [1, 5, 2006.01]
G01N 27/447	3-Punkt Untergruppe	. . . using electrophoresis [5, 2006.01]
G01N 27/453	4-Punkt Untergruppe	. . . . Cells therefor [5, 2006.01]
G01N 27/48	3-Punkt Untergruppe	. . . using polarography, i.e. measuring changes in current under a slowly-varying voltage [1, 2006.01]
G01N 27/49	3-Punkt Untergruppe	. . . Systems involving the determination of the current at a single specific value, or small range of values, of applied voltage for producing selective measurement of one or more particular ionic species [5, 2006.01]
G01N 27/60	1-Punkt Untergruppe	. by investigating electrostatic variables [1, 2006.01]
G01N 27/61	2-Punkt Untergruppe	. . Investigating the presence of flaws [3, 2006.01]
G01N 27/62	1-Punkt Untergruppe	. by investigating the ionisation of gases; by investigating electric discharges, e.g. emission of cathode [1, 2006.01]
G01N 27/64	2-Punkt Untergruppe	. . using wave or particle radiation to ionise a gas, e.g. in an ionisation chamber [1, 2006.01]
G01N 27/66	3-Punkt Untergruppe	. . . and measuring current or voltage [1, 2006.01]
G01N 27/68	2-Punkt Untergruppe	. . using electric discharge to ionise a gas [1, 2006.01]
G01N 27/70	3-Punkt Untergruppe	. . . and measuring current or voltage [1, 2006.01]
G01N 27/72	1-Punkt Untergruppe	. by investigating magnetic variables [1, 2006.01]
G01N 27/74	2-Punkt Untergruppe	. . of fluids (G01N 24/00 takes precedence) [1, 2006.01]
G01N 27/76	3-Punkt Untergruppe	. . . by investigating susceptibility [1, 2006.01]
G01N 27/80	2-Punkt Untergruppe	. . for investigating mechanical hardness, e.g. by investigating saturation or remanence of ferromagnetic material [1, 2006.01]
G01N 27/82	2-Punkt Untergruppe	. . for investigating the presence of flaws [1, 2006.01]
G01N 27/83	3-Punkt Untergruppe	. . . by investigating stray magnetic fields [3, 2006.01]
G01N 27/84	4-Punkt Untergruppe	. . . . by applying magnetic powder or magnetic ink [1, 3, 2006.01]
G01N 27/85	4-Punkt Untergruppe	. . . . using magnetographic methods [3, 2006.01]
G01N 27/87	4-Punkt Untergruppe	. . . . using probes [3, 2006.01]
G01N 27/90	3-Punkt Untergruppe	. . . using eddy currents [3, 2006.01]
G01N 27/92	1-Punkt Untergruppe	. by investigating breakdown voltage (G01N 27/60, G01N 27/62 take precedence) [3, 2006.01]
G01N 29/00	Hauptgruppe	Investigating or analysing materials by the use of ultrasonic, sonic or infrasonic waves; Visualisation of the interior of objects by transmitting ultrasonic or sonic waves through the object (G01N 3/00-G01N 27/00 take precedence) [1, 4, 2006.01]
G01N 29/02	1-Punkt Untergruppe	. Analysing fluids (using acoustic emission techniques G01N 29/14) [1, 5, 2006.01]
G01N 29/024	2-Punkt Untergruppe	. . by measuring propagation velocity or propagation time of acoustic waves [2006.01]
G01N 29/028	2-Punkt Untergruppe	. . by measuring mechanical or acoustic impedance [2006.01]

Symbol	Typ	Titel
G01N 29/032	2-Punkt Untergruppe	. . by measuring attenuation of acoustic waves [2006.01]
G01N 29/036	2-Punkt Untergruppe	. . by measuring frequency or resonance of acoustic waves [2006.01]
G01N 29/04	1-Punkt Untergruppe	. Analysing solids (using acoustic emission techniques G01N 29/14) [1, 4, 5, 2006.01]
G01N 29/06	2-Punkt Untergruppe	. . Visualisation of the interior, e.g. acoustic microscopy [4, 2006.01]
G01N 29/07	2-Punkt Untergruppe	. . by measuring propagation velocity or propagation time of acoustic waves [2006.01]
G01N 29/09	2-Punkt Untergruppe	. . by measuring mechanical or acoustic impedance [2006.01]
G01N 29/11	2-Punkt Untergruppe	. . by measuring attenuation of acoustic waves [2006.01]
G01N 29/12	2-Punkt Untergruppe	. . by measuring frequency or resonance of acoustic waves [5, 2006.01]
G01N 29/14	1-Punkt Untergruppe	. using acoustic emission techniques [5, 2006.01]
G01N 29/22	1-Punkt Untergruppe	. Details [5, 2006.01]
G01N 29/24	2-Punkt Untergruppe	. . Probes [5, 2006.01]
G01N 29/26	2-Punkt Untergruppe	. . Arrangements for orientation or scanning [5, 2006.01]
G01N 29/265	3-Punkt Untergruppe	. . . by moving the sensor relative to a stationary material [2006.01]
G01N 29/27	3-Punkt Untergruppe	. . . by moving the material relative to a stationary sensor [2006.01]
G01N 29/275	3-Punkt Untergruppe	. . . by moving both the sensor and the material [2006.01]
G01N 29/28	2-Punkt Untergruppe	. . providing acoustic coupling [5, 2006.01]
G01N 29/30	2-Punkt Untergruppe	. . Arrangements for calibrating or comparing, e.g. with standard objects [2006.01]
G01N 29/32	2-Punkt Untergruppe	. . Arrangements for suppressing undesired influences, e.g. temperature or pressure variations [2006.01]
G01N 29/34	1-Punkt Untergruppe	. Generating the ultrasonic, sonic or infrasonic waves [2006.01]
G01N 29/36	1-Punkt Untergruppe	. Detecting the response signal [2006.01]
G01N 29/38	2-Punkt Untergruppe	. . by time filtering, e.g. using time gates [2006.01]
G01N 29/40	2-Punkt Untergruppe	. . by amplitude filtering, e.g. by applying a threshold [2006.01]
G01N 29/42	2-Punkt Untergruppe	. . by frequency filtering [2006.01]
G01N 29/44	1-Punkt Untergruppe	. Processing the detected response signal [2006.01]
G01N 29/46	2-Punkt Untergruppe	. . by spectral analysis, e.g. Fourier analysis [2006.01]
G01N 29/48	2-Punkt Untergruppe	. . by amplitude comparison [2006.01]
G01N 29/50	2-Punkt Untergruppe	. . using auto-correlation techniques or cross-correlation techniques [2006.01]
G01N 29/52	2-Punkt Untergruppe	. . using inversion methods other than spectral analysis, e.g. conjugated gradient inversion [2006.01]
G01N 30/00	Hauptgruppe	Investigating or analysing materials by separation into components using adsorption, absorption or similar phenomena or using ion-exchange, e.g. chromatography (G01N 3/00-G01N 29/00 take precedence) [4, 2006.01]
G01N 30/02	1-Punkt Untergruppe	. Column chromatography [4, 2006.01]
G01N 30/04	2-Punkt Untergruppe	. . Preparation or injection of sample to be analysed [4, 2006.01]

Symbol	Typ	Titel
G01N 30/06	3-Punkt Untergruppe	. . . Preparation [4, 2006.01]
G01N 30/08	4-Punkt Untergruppe	. . . . using an enricher [4, 2006.01]
G01N 30/10	4-Punkt Untergruppe	. . . . using a splitter [4, 2006.01]
G01N 30/12	4-Punkt Untergruppe	. . . . by evaporation [4, 2006.01]
G01N 30/14	4-Punkt Untergruppe	. . . . by elimination of some components [4, 2006.01]
G01N 30/16	3-Punkt Untergruppe	. . . Injection (G01N 30/24 takes precedence) [4, 2006.01]
G01N 30/18	4-Punkt Untergruppe	. . . . using a septum or microsyringe [4, 2006.01]
G01N 30/20	4-Punkt Untergruppe	. . . . using a sampling valve [4, 2006.01]
G01N 30/22	4-Punkt Untergruppe	. . . . in high pressure liquid systems [4, 2006.01]
G01N 30/24	3-Punkt Untergruppe	. . . Automatic injection systems [4, 2006.01]
G01N 30/26	2-Punkt Untergruppe	. . Conditioning of the fluid carrier; Flow patterns [4, 2006.01]
G01N 30/28	3-Punkt Untergruppe	. . . Control of physical parameters of the fluid carrier [4, 2006.01]
G01N 30/30	4-Punkt Untergruppe	. . . . of temperature [4, 2006.01]
G01N 30/32	4-Punkt Untergruppe	. . . . of pressure or speed (G01N 30/36 takes precedence) [4, 2006.01]
G01N 30/34	4-Punkt Untergruppe	. . . . of fluid composition, e.g. gradient (G01N 30/36 takes precedence) [4, 2006.01]
G01N 30/36	4-Punkt Untergruppe	. . . . in high pressure liquid systems [4, 2006.01]
G01N 30/38	3-Punkt Untergruppe	. . . Flow patterns [4, 2006.01]
G01N 30/40	4-Punkt Untergruppe	. . . . using back flushing [4, 2006.01]
G01N 30/42	4-Punkt Untergruppe	. . . . using counter-current [4, 2006.01]
G01N 30/44	4-Punkt Untergruppe	. . . . using recycling of the fraction to be distributed [4, 2006.01]
G01N 30/46	4-Punkt Untergruppe	. . . . using more than one column [4, 2006.01]
G01N 30/50	2-Punkt Untergruppe	. . Conditioning of the sorbent material or stationary liquid [4, 2006.01]
G01N 30/52	3-Punkt Untergruppe	. . . Physical parameters [4, 2006.01]
G01N 30/54	4-Punkt Untergruppe	. . . . Temperature [4, 2006.01]
G01N 30/56	3-Punkt Untergruppe	. . . Packing methods or coating methods [4, 2006.01]
G01N 30/58	3-Punkt Untergruppe	. . . the sorbent moving as a whole [4, 2006.01]
G01N 30/60	2-Punkt Untergruppe	. . Construction of the column [4, 2006.01]
G01N 30/62	2-Punkt Untergruppe	. . Detectors specially adapted therefor [4, 2006.01]
G01N 30/64	3-Punkt Untergruppe	. . . Electrical detectors [4, 2006.01]
G01N 30/66	4-Punkt Untergruppe	. . . . Thermal conductivity detectors [4, 2006.01]
G01N 30/68	4-Punkt Untergruppe	. . . . Flame ionisation detectors [4, 2006.01]
G01N 30/70	4-Punkt Untergruppe	. . . . Electron capture detectors (G01N 30/68 takes precedence) [4, 2006.01]

Symbol	Typ	Titel
G01N 30/72	3-Punkt Untergruppe	. . . Mass spectrometers [4, 2006.01]
G01N 30/74	3-Punkt Untergruppe	. . . Optical detectors [4, 2006.01]
G01N 30/76	3-Punkt Untergruppe	. . . Acoustical detectors [4, 2006.01]
G01N 30/78	3-Punkt Untergruppe	. . . using more than one detector [4, 2006.01]
G01N 30/80	2-Punkt Untergruppe	. . Fraction collectors [4, 2006.01]
G01N 30/82	3-Punkt Untergruppe	. . . Automatic means therefor [4, 2006.01]
G01N 30/84	2-Punkt Untergruppe	. . Preparation of the fraction to be distributed [4, 2006.01]
G01N 30/86	2-Punkt Untergruppe	. . Signal analysis [4, 2006.01]
G01N 30/88	2-Punkt Untergruppe	. . Integrated analysis systems specially adapted therefor, not covered by a single one of groups G01N 30/04-G01N 30/86 [4, 2006.01]
G01N 30/89	1-Punkt Untergruppe	. Inverse chromatography, i.e. with the analyte in stationary phase [2006.01]
G01N 30/90	1-Punkt Untergruppe	. Plate chromatography, e.g. thin layer or paper chromatography [4, 2006.01]
G01N 30/91	2-Punkt Untergruppe	. . Application of the sample [4, 2006.01]
G01N 30/92	2-Punkt Untergruppe	. . Construction of the plate [4, 2006.01]
G01N 30/93	3-Punkt Untergruppe	. . . Application of the sorbent layer [4, 2006.01]
G01N 30/94	2-Punkt Untergruppe	. . Development [4, 2006.01]
G01N 30/95	2-Punkt Untergruppe	. . Detectors specially adapted therefor; Signal analysis [4, 2006.01]
G01N 30/96	1-Punkt Untergruppe	. using ion-exchange (G01N 30/02, G01N 30/90 take precedence) [4, 2006.01]
G01N 31/00	Hauptgruppe	Investigating or analysing non-biological materials by the use of the chemical methods specified in the subgroups; Apparatus specially adapted for such methods [1, 4, 2006.01]
G01N 31/02	1-Punkt Untergruppe	. using precipitation [1, 2006.01]
G01N 31/10	1-Punkt Untergruppe	. using catalysis [1, 2006.01]
G01N 31/12	1-Punkt Untergruppe	. using combustion (G01N 25/20 takes precedence) [1, 2006.01]
G01N 31/16	1-Punkt Untergruppe	. using titration [1, 2006.01]
G01N 31/18	2-Punkt Untergruppe	. . Burettes specially adapted for titration [1, 2006.01]
G01N 31/20	1-Punkt Untergruppe	. using microanalysis, e.g. drop reaction [1, 2006.01]
G01N 31/22	1-Punkt Untergruppe	. using chemical indicators (G01N 31/02 takes precedence) [1, 2006.01]
G01N 33/00	Hauptgruppe	Investigating or analysing materials by specific methods not covered by groups G01N 1/00-G01N 31/00 [1, 2006.01]
G01N 33/02	1-Punkt Untergruppe	. Food [1, 2006.01]
G01N 33/03	2-Punkt Untergruppe	. . Edible oils or edible fats [4, 2006.01]
G01N 33/04	2-Punkt Untergruppe	. . Dairy products [1, 2006.01]
G01N 33/06	3-Punkt Untergruppe	. . . Determining fat content, e.g. by butyrometer [1, 2006.01]
G01N 33/08	2-Punkt Untergruppe	. . Eggs, e.g. by candling [1, 2006.01]

Symbol	Typ	Titel
G01N 33/10	2-Punkt Untergruppe	. . Starch-containing substances, e.g. dough [1, 2006.01]
G01N 33/12	2-Punkt Untergruppe	. . Meat; fish [1, 2006.01]
G01N 33/14	2-Punkt Untergruppe	. . Beverages [1, 2006.01]
G01N 33/15	1-Punkt Untergruppe	. Medicinal preparations [3, 2006.01]
G01N 33/18	1-Punkt Untergruppe	. Water [1, 2006.01]
G01N 33/20	1-Punkt Untergruppe	. Metals [1, 2006.01]
G01N 33/22	1-Punkt Untergruppe	. Fuels; explosives [1, 2006.01]
G01N 33/24	1-Punkt Untergruppe	. Earth materials (G01N 33/42 takes precedence) [1, 2006.01]
G01N 33/26	1-Punkt Untergruppe	. Oils; viscous liquids; paints; inks (G01N 33/22 takes precedence) [1, 2006.01]
G01N 33/28	2-Punkt Untergruppe	. . Oils (edible oils or edible fats G01N 33/03) [1, 4, 2006.01]
G01N 33/30	3-Punkt Untergruppe	. . . for lubricating properties [1, 2006.01]
G01N 33/32	2-Punkt Untergruppe	. . Paints; inks [1, 2006.01]
G01N 33/34	1-Punkt Untergruppe	. Paper [1, 2006.01]
G01N 33/36	1-Punkt Untergruppe	. Textiles [1, 2006.01]
G01N 33/38	1-Punkt Untergruppe	. Concrete; lime; mortar; gypsum; bricks; ceramics; glass [1, 2006.01]
G01N 33/40	1-Punkt Untergruppe	. Grinding-materials [1, 2006.01]
G01N 33/42	1-Punkt Untergruppe	. Road-making materials (G01N 33/38 takes precedence) [1, 2006.01]
G01N 33/44	1-Punkt Untergruppe	. Resins; plastics; rubber; leather [1, 2006.01]
G01N 33/46	1-Punkt Untergruppe	. Wood [1, 2006.01]
G01N 33/48	1-Punkt Untergruppe	. Biological material, e.g. blood, urine (G01N 33/02, G01N 33/26, G01N 33/44, G01N 33/46 take precedence); Haemocytometers (counting blood corpuscles distributed over a surface by scanning the surface G06M 11/02) [3, 4, 2006.01]
G01N 33/483	2-Punkt Untergruppe	. . Physical analysis of biological material [4, 2006.01]
G01N 33/487	3-Punkt Untergruppe	. . . of liquid biological material [4, 2006.01]
G01N 33/49	4-Punkt Untergruppe	. . . . blood [4, 2006.01]
G01N 33/493	4-Punkt Untergruppe	. . . . urine [4, 2006.01]
G01N 33/497	3-Punkt Untergruppe	. . . of gaseous biological material, e.g. breath [4, 2006.01]
G01N 33/50	2-Punkt Untergruppe	. . Chemical analysis of biological material, e.g. blood, urine; Testing involving biospecific ligand binding methods; Immunological testing (measuring or testing processes other than immunological involving enzymes or microorganisms, compositions or test papers therefor, processes of forming such compositions, condition responsive control in microbiological or enzymological processes C12Q) [3, 2006.01]
G01N 33/52	3-Punkt Untergruppe	. . . Use of compounds or compositions for colorimetric, spectrophotometric or fluorometric investigation, e.g. use of reagent paper [3, 2006.01]
G01N 33/53	3-Punkt Untergruppe	. . . Immunoassay; Biospecific binding assay; Materials therefor [4, 2006.01]
G01N 33/531	4-Punkt Untergruppe	. . . . Production of immunochemical test materials [4, 2006.01]

Symbol	Typ	Titel
G01N 33/532	5-Punkt Untergruppe	. . . . . Production of labelled immunochemicals [4, 2006.01]
G01N 33/533	6-Punkt Untergruppe	. . . . . with fluorescent label [4, 2006.01]
G01N 33/534	6-Punkt Untergruppe	. . . . . with radioactive label [4, 2006.01]
G01N 33/535	6-Punkt Untergruppe	. . . . . with enzyme label [4, 2006.01]
G01N 33/536	4-Punkt Untergruppe	. . . . with immune complex formed in liquid phase [4, 2006.01]
G01N 33/537	5-Punkt Untergruppe	. . . . . with separation of immune complex from unbound antigen or antibody [4, 2006.01]
G01N 33/538	6-Punkt Untergruppe	. . . . . by sorbent column, particles or resin strip [4, 2006.01]
G01N 33/539	6-Punkt Untergruppe	. . . . . involving precipitating reagent [4, 2006.01]
G01N 33/541	7-Punkt Untergruppe	. . . . . Double or second antibody [4, 2006.01]
G01N 33/542	5-Punkt Untergruppe	. . . . . with steric inhibition or signal modification, e.g. fluorescent quenching [4, 2006.01]
G01N 33/543	4-Punkt Untergruppe	. . . . with an insoluble carrier for immobilising immunochemicals [4, 2006.01]
G01N 33/544	5-Punkt Untergruppe	. . . . . the carrier being organic [4, 2006.01]
G01N 33/545	6-Punkt Untergruppe	. . . . . Synthetic resin [4, 2006.01]
G01N 33/546	7-Punkt Untergruppe	. . . . . as water suspendable particles [4, 2006.01]
G01N 33/547	7-Punkt Untergruppe	. . . . . with antigen or antibody attached to the carrier <u>via</u> a bridging agent [4, 2006.01]
G01N 33/548	6-Punkt Untergruppe	. . . . . Carbohydrates, e.g. dextran [4, 2006.01]
G01N 33/549	6-Punkt Untergruppe	. . . . . with antigen or antibody entrapped within the carrier [4, 2006.01]
G01N 33/551	5-Punkt Untergruppe	. . . . . the carrier being inorganic [4, 2006.01]
G01N 33/552	6-Punkt Untergruppe	. . . . . Glass or silica [4, 2006.01]
G01N 33/553	6-Punkt Untergruppe	. . . . . Metal or metal coated [4, 2006.01]
G01N 33/554	5-Punkt Untergruppe	. . . . . the carrier being a biological cell or cell fragment, e.g. bacteria, yeast cells [4, 2006.01]
G01N 33/555	6-Punkt Untergruppe	. . . . . Red blood cell [4, 2006.01]
G01N 33/556	7-Punkt Untergruppe	. . . . . Fixed or stabilised red blood cell [4, 2006.01]
G01N 33/557	4-Punkt Untergruppe	. . . . using kinetic measurement, i.e. time rate of progress of an antigen-antibody interaction [4, 2006.01]
G01N 33/558	4-Punkt Untergruppe	. . . . using diffusion or migration of antigen or antibody [4, 2006.01]
G01N 33/559	5-Punkt Untergruppe	. . . . . through a gel, e.g. Ouchterlony technique [4, 2006.01]
G01N 33/561	5-Punkt Untergruppe	. . . . . Immunoelectrophoresis [4, 2006.01]
G01N 33/563	4-Punkt Untergruppe	. . . . involving antibody fragments [4, 2006.01]
G01N 33/564	4-Punkt Untergruppe	. . . . for pre-existing immune complex or autoimmune disease [4, 2006.01]
G01N 33/566	4-Punkt Untergruppe	. . . . using specific carrier or receptor proteins as ligand binding reagent [4, 2006.01]
G01N 33/567	5-Punkt Untergruppe	. . . . . utilising isolate of tissue or organ as binding agent [4, 2006.01]
G01N 33/569	4-Punkt Untergruppe	. . . . for microorganisms, e.g. protozoa, bacteria, viruses [4, 2006.01]

Symbol	Typ	Titel
G01N 33/571	5-Punkt Untergruppe	. . . . for venereal disease, e.g. syphilis, gonorrhoea, herpes [4, 2006.01]
G01N 33/573	4-Punkt Untergruppe	. . . . for enzymes or isoenzymes [4, 2006.01]
G01N 33/574	4-Punkt Untergruppe	. . . . for cancer [4, 2006.01]
G01N 33/576	4-Punkt Untergruppe	. . . . for hepatitis [4, 2006.01]
G01N 33/577	4-Punkt Untergruppe	. . . . involving monoclonal antibodies [4, 2006.01]
G01N 33/579	3-Punkt Untergruppe	. . . involving limulus lysate [4, 2006.01]
G01N 33/58	3-Punkt Untergruppe	. . . involving labelled substances (G01N 33/53 takes precedence) [3, 2006.01]
G01N 33/60	4-Punkt Untergruppe	. . . . involving radioactive labelled substances [3, 2006.01]
G01N 33/62	3-Punkt Untergruppe	. . . involving urea [3, 2006.01]
G01N 33/64	3-Punkt Untergruppe	. . . involving ketones [3, 2006.01]
G01N 33/66	3-Punkt Untergruppe	. . . involving blood sugars, e.g. galactose [3, 2006.01]
G01N 33/68	3-Punkt Untergruppe	. . . involving proteins, peptides or amino acids [3, 2006.01]
G01N 33/70	3-Punkt Untergruppe	. . . involving creatine or creatinine [3, 2006.01]
G01N 33/72	3-Punkt Untergruppe	. . . involving blood pigments, e.g. hemoglobin, bilirubin [3, 2006.01]
G01N 33/74	3-Punkt Untergruppe	. . . involving hormones [3, 2006.01]
G01N 33/76	4-Punkt Untergruppe	. . . . Human chorionic gonadotropin [3, 2006.01]
G01N 33/78	4-Punkt Untergruppe	. . . . Thyroid gland hormones [3, 2006.01]
G01N 33/80	3-Punkt Untergruppe	. . . involving blood groups or blood types [3, 2006.01]
G01N 33/82	3-Punkt Untergruppe	. . . involving vitamins [3, 2006.01]
G01N 33/84	3-Punkt Untergruppe	. . . involving inorganic compounds or pH [3, 2006.01]
G01N 33/86	3-Punkt Untergruppe	. . . involving blood coagulating time [3, 2006.01]
G01N 33/88	3-Punkt Untergruppe	. . . involving prostaglandins [3, 2006.01]
G01N 33/90	3-Punkt Untergruppe	. . . involving iron binding capacity of blood [3, 2006.01]
G01N 33/92	3-Punkt Untergruppe	. . . involving lipids, e.g. cholesterol [3, 2006.01]
G01N 33/94	3-Punkt Untergruppe	. . . involving narcotics [3, 2006.01]
G01N 33/96	3-Punkt Untergruppe	. . . involving blood or serum control standard [3, 2006.01]
G01N 33/98	3-Punkt Untergruppe	. . . involving alcohol, e.g. ethanol in breath [4, 2006.01]
G01N 35/00	Hauptgruppe	Automatic analysis not limited to methods or materials provided for in any single one of groups G01N 1/00-G01N 33/00; Handling materials therefor [3, 2006.01]
G01N 35/02	1-Punkt Untergruppe	. using a plurality of sample containers moved by a conveyor system past one or more treatment or analysis stations [3, 2006.01]
G01N 35/04	2-Punkt Untergruppe	. . Details of the conveyor system [3, 2006.01]
G01N 35/08	1-Punkt Untergruppe	. using a stream of discrete samples flowing along a tube system, e.g. flow injection analysis [3, 2006.01]

Symbol	Typ	Titel
G01N 35/10	1-Punkt Untergruppe	. Devices for transferring samples to, in, or from, the analysis apparatus, e.g. suction devices, injection devices [6, 2006.01]
G01N 37/00	Hauptgruppe	Details not covered by any other group of this subclass [3, 2006.01]