

Symbol	Typ	Titel
G	Sektion	SECTION G — PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING (counting G06M); TESTING
G01V	Unterklasse	GEOPHYSICS; GRAVITATIONAL MEASUREMENTS; DETECTING MASSES OR OBJECTS; TAGS (detecting or locating foreign bodies for diagnostic, surgical or person-identification purposes A61B; means for indicating the location of accidentally buried, e.g. snow-buried, persons A63B 29/02; investigating or analysing earth materials by determining their chemical or physical properties G01N; measuring electric or magnetic variables in general, other than direction or magnitude of the earth's field G01R; magnetic resonance arrangements in general G01R 33/20) [4, 6]
G01V 1/00	Hauptgruppe	Seismology; Seismic or acoustic prospecting or detecting
G01V 1/02	1-Punkt Untergruppe	. Generating seismic energy (blasting in general F42; nuclear explosives G21J)
G01V 1/04	2-Punkt Untergruppe	. . Details
G01V 1/047	3-Punkt Untergruppe	. . . Arrangements for coupling the generator to the ground [3]
G01V 1/053	4-Punkt Untergruppe	 for generating transverse waves [3]
G01V 1/06	3-Punkt Untergruppe	. . . Ignition devices (G01V 1/393 takes precedence) [3]
G01V 1/08	4-Punkt Untergruppe	 involving time-delay devices
G01V 1/09	3-Punkt Untergruppe	. . . Transporting arrangements, e.g. on vehicles (G01V 1/38 takes precedence) [3]
G01V 1/104	2-Punkt Untergruppe	. . using explosive charges (G01V 1/157 takes precedence) [3]
G01V 1/108	3-Punkt Untergruppe	. . . by deforming or displacing surfaces of enclosures [3]
G01V 1/112	4-Punkt Untergruppe	 for use on the surface of the earth [3]
G01V 1/116	3-Punkt Untergruppe	. . . where pressurised combustion gases escape from the generator in a pulsating manner, e.g. for generating bursts [3]
G01V 1/13	3-Punkt Untergruppe	. . . Arrangements or disposition of charges to produce a desired pattern in space or time
G01V 1/133	2-Punkt Untergruppe	. . using fluidic driving means, e.g. using highly pressurised fluids (G01V 1/104 takes precedence) [3]
G01V 1/135	3-Punkt Untergruppe	. . . by deforming or displacing surfaces of enclosures [3]
G01V 1/137	3-Punkt Untergruppe	. . . which fluids escape from the generator in a pulsating manner, e.g. for generating bursts [3]
G01V 1/143	2-Punkt Untergruppe	. . using mechanical driving means (G01V 1/104, G01V 1/133 takes precedence) [3]
G01V 1/145	3-Punkt Untergruppe	. . . by deforming or displacing surfaces [3]
G01V 1/147	3-Punkt Untergruppe	. . . using impact of dropping masses [3]
G01V 1/153	3-Punkt Untergruppe	. . . using rotary unbalanced masses [3]
G01V 1/155	3-Punkt Untergruppe	. . . using reciprocating masses [3]
G01V 1/157	2-Punkt Untergruppe	. . using spark discharges; using exploding wires (spark gaps, discharge apparatus, not otherwise provided for H01T) [3]
G01V 1/16	1-Punkt Untergruppe	. Receiving elements for seismic signals (measuring vibrations G01H; measuring acceleration or shock G01P; microphones or like acoustic electromechanical transducers H04R); Arrangements or adaptations of receiving elements

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G01V 1/18	2-Punkt Untergruppe	. . Receiving elements, e.g. seismometer, geophone [2]
G01V 1/20	2-Punkt Untergruppe	. . Arrangements of receiving elements, e.g. geophone pattern
G01V 1/22	1-Punkt Untergruppe	. Transmitting seismic signals to recording or processing apparatus (signal-transmitting systems in general G08C; electric transmission systems H04B)
G01V 1/24	1-Punkt Untergruppe	. Recording seismic data (transforming one recording into another G01V 1/32)
G01V 1/26	2-Punkt Untergruppe	. . Reference-signal-transmitting devices, e.g. indicating moment of firing of shot
G01V 1/28	1-Punkt Untergruppe	. Processing seismic data, e.g. analysis, for interpretation, for correction (G01V 1/48 takes precedence) [6]
G01V 1/30	2-Punkt Untergruppe	. . Analysis (G01V 1/50 takes precedence) [6]
G01V 1/32	2-Punkt Untergruppe	. . Transforming one recording into another
G01V 1/34	2-Punkt Untergruppe	. . Displaying seismic recordings
G01V 1/36	2-Punkt Untergruppe	. . Effecting static or dynamic corrections on records, e.g. correcting spread; Correlating seismic signals; Eliminating effects of unwanted energy
G01V 1/37	3-Punkt Untergruppe	. . . specially adapted for seismic systems using continuous agitation of the ground [3]
G01V 1/38	1-Punkt Untergruppe	. specially adapted for water-covered areas (G01V 1/28 takes precedence)
G01V 1/387	2-Punkt Untergruppe	. . Reducing secondary bubble pulse, i.e. reducing the detected signals resulting from the generation and release of gas bubbles after the primary explosion [3]
G01V 1/393	2-Punkt Untergruppe	. . Means for loading explosive underwater charges, e.g. combined with ignition devices [3]
G01V 1/40	1-Punkt Untergruppe	. specially adapted for well-logging
G01V 1/42	2-Punkt Untergruppe	. . using generators in one well and receivers elsewhere or <u>vice-versa</u> (G01V 1/52 takes precedence) [6]
G01V 1/44	2-Punkt Untergruppe	. . using generators and receivers in the same well (G01V 1/52 takes precedence) [6]
G01V 1/46	3-Punkt Untergruppe	. . . Data acquisition [6]
G01V 1/48	3-Punkt Untergruppe	. . . Processing data [6]
G01V 1/50	4-Punkt Untergruppe	 Analysing data [6]
G01V 1/52	2-Punkt Untergruppe	. . Structural details [6]
G01V 3/00	Hauptgruppe	Electric or magnetic prospecting or detecting (by optical means G01V 8/00); Measuring magnetic field characteristics of the earth, e.g. declination, deviation (for navigation, for surveying G01C) [2, 4]
G01V 3/02	1-Punkt Untergruppe	. operating with propagation of electric current
G01V 3/04	2-Punkt Untergruppe	. . using dc
G01V 3/06	2-Punkt Untergruppe	. . using ac
G01V 3/08	1-Punkt Untergruppe	. operating with magnetic or electric fields produced or modified by objects or geological structures or by detecting devices (with electromagnetic waves G01V 3/12; measuring the magnetic field characteristics of the earth G01V 3/40)
G01V 3/10	2-Punkt Untergruppe	. . using induction coils
G01V 3/11	3-Punkt Untergruppe	. . . for detecting conductive objects, e.g. firearms, cables or pipes [3]

Symbol	Typ	Titel
G01V 3/12	1-Punkt Untergruppe	. operating with electromagnetic waves
G01V 3/14	1-Punkt Untergruppe	. operating with electron or nuclear magnetic resonance
G01V 3/15	1-Punkt Untergruppe	. specially adapted for use during transport, e.g. by a person, vehicle or boat [3]
G01V 3/16	2-Punkt Untergruppe	. . specially adapted for use from aircraft (G01V 3/165-G01V 3/175 take precedence) [3]
G01V 3/165	2-Punkt Untergruppe	. . operating with magnetic or electric fields produced or modified by the object or by the detecting device (with electromagnetic waves G01V 3/17) [3]
G01V 3/17	2-Punkt Untergruppe	. . operating with electromagnetic waves [3]
G01V 3/175	2-Punkt Untergruppe	. . operating with electron or nuclear magnetic resonance [3]
G01V 3/18	1-Punkt Untergruppe	. specially adapted for well-logging
G01V 3/20	2-Punkt Untergruppe	. . operating with propagation of electric current [3]
G01V 3/22	3-Punkt Untergruppe	. . . using dc [3]
G01V 3/24	3-Punkt Untergruppe	. . . using ac [3]
G01V 3/26	2-Punkt Untergruppe	. . operating with magnetic or electric fields produced or modified either by the surrounding earth formation or by the detecting device (with electromagnetic waves G01V 3/30) [3]
G01V 3/28	3-Punkt Untergruppe	. . . using induction coils [3]
G01V 3/30	2-Punkt Untergruppe	. . operating with electromagnetic waves [3]
G01V 3/32	2-Punkt Untergruppe	. . operating with electron or nuclear magnetic resonance [3]
G01V 3/34	2-Punkt Untergruppe	. . Transmitting data to recording or processing apparatus; Recording data [3]
G01V 3/36	1-Punkt Untergruppe	. Recording data (G01V 3/34 takes precedence) [3]
G01V 3/38	1-Punkt Untergruppe	. Processing data, e.g. for analysis, for interpretation, for correction (computing in general G06) [3]
G01V 3/40	1-Punkt Untergruppe	. specially adapted for measuring magnetic field characteristics of the earth [3]
G01V 5/00	Hauptgruppe	Prospecting or detecting by the use of nuclear radiation, e.g. of natural or induced radioactivity (determining the properties of materials G01N; measuring nuclear radiation G01T)
G01V 5/02	1-Punkt Untergruppe	. specially adapted for surface logging, e.g. from aircraft [3]
G01V 5/04	1-Punkt Untergruppe	. specially adapted for well-logging [3]
G01V 5/06	2-Punkt Untergruppe	. . for detecting naturally radioactive minerals [3]
G01V 5/08	2-Punkt Untergruppe	. . using primary nuclear radiation sources or X-rays [3]
G01V 5/10	3-Punkt Untergruppe	. . . using neutron sources [3]
G01V 5/12	3-Punkt Untergruppe	. . . using gamma- or X-ray sources [3]
G01V 5/14	3-Punkt Untergruppe	. . . using a combination of several sources, e.g. a neutron and a gamma source [3]
G01V 7/00	Hauptgruppe	Measuring gravitational fields or waves; Gravimetric prospecting or detecting
G01V 7/02	1-Punkt Untergruppe	. Details
G01V 7/04	2-Punkt Untergruppe	. . Electric, photoelectric, or magnetic indicating or recording means
G01V 7/06	2-Punkt Untergruppe	. . Analysis or interpretation of gravimetric records

Symbol	Typ	Titel
G01V 7/08	1-Punkt Untergruppe	. using balances (balances in general G01G)
G01V 7/10	2-Punkt Untergruppe	. . using torsion balances, e.g. Eötvös balance
G01V 7/12	1-Punkt Untergruppe	. using pendulums
G01V 7/14	1-Punkt Untergruppe	. using free-fall time
G01V 7/16	1-Punkt Untergruppe	. specially adapted for use on moving platforms, e.g. ship, aircraft
G01V 8/00	Hauptgruppe	Prospecting or detecting by optical means (photogrammetry or videogrammetry G01C 11/00; measurement of characteristics of light G01J; optical scanning systems G02B 26/10; discharge tubes detecting the presence of radiation H01J 40/00, H01J 47/00; semiconductor devices sensitive to light H01L 31/00) [6]
G01V 8/02	1-Punkt Untergruppe	. Prospecting [6]
G01V 8/10	1-Punkt Untergruppe	. Detecting, e.g. by using light barriers (by reflection from the object G01S 17/00; counting of objects carried by a conveyer G06M 7/00; signalling or calling arrangements G08B; detecting movement of traffic to be counted or controlled G08G 1/01; proximity switches H03K 17/945, H03K 17/965) [6]
G01V 8/12	2-Punkt Untergruppe	. . using one transmitter and one receiver [6]
G01V 8/14	3-Punkt Untergruppe	. . . using reflectors [6]
G01V 8/16	3-Punkt Untergruppe	. . . using optical fibres [6]
G01V 8/18	3-Punkt Untergruppe	. . . using mechanical scanning systems [6]
G01V 8/20	2-Punkt Untergruppe	. . using multiple transmitters or receivers [6]
G01V 8/22	3-Punkt Untergruppe	. . . using reflectors [6]
G01V 8/24	3-Punkt Untergruppe	. . . using optical fibres [6]
G01V 8/26	3-Punkt Untergruppe	. . . using mechanical scanning systems [6]
G01V 9/00	Hauptgruppe	Prospecting or detecting by methods not provided for in groups G01V 1/00-G01V 8/00 [6]
G01V 9/02	1-Punkt Untergruppe	. Determining existence or flow of underground water
G01V 11/00	Hauptgruppe	Prospecting or detecting by methods combining techniques covered by two or more of main groups G01V 1/00-G01V 9/00
G01V 13/00	Hauptgruppe	Manufacturing, calibrating, cleaning, or repairing instruments or devices covered by groups G01V 1/00-G01V 11/00
G01V 15/00	Hauptgruppe	Tags attached to, or associated with, an object, in order to enable detection of the object (record carriers for use with machines G06K 19/00; signs, labels G09F) [6]