

Symbol	Typ	Titel
F	Sektion	SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
F16	Klasse	ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS ; THERMAL INSULATION IN GENERAL
F16H	Unterklasse	GEARING
		<u>Toothed gearings for conveying rotary motion</u>
F16H 1/00	Hauptgruppe	Toothed gearings for conveying rotary motion (specific for conveying rotary motion with variable gear ratio or for reversing rotary motion F16H 3/00)
F16H 1/02	1-Punkt Untergruppe	. without gears having orbital motion
F16H 1/04	2-Punkt Untergruppe	. . involving only two intermeshing members
F16H 1/06	3-Punkt Untergruppe	. . . with parallel axes
F16H 1/08	4-Punkt Untergruppe	 the members having helical, herring-bone, or like teeth
F16H 1/10	4-Punkt Untergruppe	 one of the members being internally toothed
F16H 1/12	3-Punkt Untergruppe	. . . with non-parallel axes
F16H 1/14	4-Punkt Untergruppe	 comprising conical gears only
F16H 1/16	4-Punkt Untergruppe	 comprising worm and worm-wheel
F16H 1/18	4-Punkt Untergruppe	 the members having helical, herring-bone, or like teeth (F16H 1/14 takes precedence)
F16H 1/20	2-Punkt Untergruppe	. . involving more than two intermeshing members
F16H 1/22	3-Punkt Untergruppe	. . . with a plurality of driving or driven shafts; with arrangements for dividing torque between two or more intermediate shafts
F16H 1/24	2-Punkt Untergruppe	. . involving gears essentially having intermeshing elements other than involute or cycloidal teeth (F16H 1/16 takes precedence)
F16H 1/26	2-Punkt Untergruppe	. . Special means compensating for misalignment of axes
F16H 1/28	1-Punkt Untergruppe	. with gears having orbital motion
F16H 1/30	2-Punkt Untergruppe	. . in which an orbital gear has an axis crossing the main axis of the gearing and has helical teeth or is a worm
F16H 1/32	2-Punkt Untergruppe	. . in which the central axis of the gearing lies inside the periphery of an orbital gear
F16H 1/34	2-Punkt Untergruppe	. . involving gears essentially having intermeshing elements other than involute or cycloidal teeth (in worm gearing F16H 1/30)
F16H 1/36	2-Punkt Untergruppe	. . with two central gears coupled by intermeshing orbital gears
F16H 1/46	2-Punkt Untergruppe	. . Systems consisting of a plurality of gear trains, each with orbital gears
F16H 1/48	2-Punkt Untergruppe	. . Special means compensating for misalignment of axes
F16H 3/00	Hauptgruppe	Toothed gearings for conveying rotary motion with variable gear ratio or for reversing rotary motion (speed-changing or reversing mechanisms F16H 59/00-F16H 63/00)
F16H 3/02	1-Punkt Untergruppe	. without gears having orbital motion
F16H 3/04	2-Punkt Untergruppe	. . with internally-toothed gears

Symbol	Typ	Titel
F16H 3/06	2-Punkt Untergruppe	. . with worm and worm-wheel or gears essentially having helical or herring-bone teeth
F16H 3/08	2-Punkt Untergruppe	. . exclusively or essentially with continuously- meshing gears, that can be disengaged from their shafts
F16H 3/083	3-Punkt Untergruppe	. . . with radially acting and axially controlled clutching members, e.g. sliding keys [5]
F16H 3/085	3-Punkt Untergruppe	. . . with more than one output shaft [5]
F16H 3/087	3-Punkt Untergruppe	. . . characterised by the disposition of the gears (F16H 3/083, F16H 3/085 take precedence) [5]
F16H 3/089	4-Punkt Untergruppe	 all of the meshing gears being supported by a pair of parallel shafts, one being the input shaft and the other the output shaft, there being no countershaft involved [5]
F16H 3/091	4-Punkt Untergruppe	 including a single countershaft [5]
F16H 3/093	4-Punkt Untergruppe	 with two or more countershafts [5]
F16H 3/095	5-Punkt Untergruppe	 with means for ensuring an even distribution of torque between the countershafts [5]
F16H 3/097	5-Punkt Untergruppe	 the input and output shafts being aligned on the same axis [5]
F16H 3/10	3-Punkt Untergruppe	. . . with one or more one-way clutches as an essential feature
F16H 3/12	3-Punkt Untergruppe	. . . with means for synchronisation not incorporated in the clutches (synchronised clutches F16D 23/02)
F16H 3/14	3-Punkt Untergruppe	. . . Gearings for reversal only
F16H 3/16	2-Punkt Untergruppe	. . essentially with both gears that can be put out of gear and continuously-meshing gears that can be disengaged from their shafts
F16H 3/18	3-Punkt Untergruppe	. . . Gearings for reversal only
F16H 3/20	2-Punkt Untergruppe	. . exclusively or essentially using gears that can be moved out of gear
F16H 3/22	3-Punkt Untergruppe	. . . with gears shiftable only axially
F16H 3/24	4-Punkt Untergruppe	 with driving and driven shafts coaxial
F16H 3/26	5-Punkt Untergruppe	 and two or more additional shafts
F16H 3/28	6-Punkt Untergruppe	 an additional shaft being coaxial with the main shafts
F16H 3/30	4-Punkt Untergruppe	 with driving and driven shafts not coaxial
F16H 3/32	5-Punkt Untergruppe	 and an additional shaft
F16H 3/34	3-Punkt Untergruppe	. . . with gears shiftable otherwise than only axially
F16H 3/36	3-Punkt Untergruppe	. . . with a single gear meshable with any of a set of coaxial gears of different diameters
F16H 3/38	3-Punkt Untergruppe	. . . with synchro-meshing
F16H 3/40	3-Punkt Untergruppe	. . . Gearings for reversal only
F16H 3/42	2-Punkt Untergruppe	. . with gears having teeth formed or arranged for obtaining multiple gear ratios, e.g. nearly infinitely variable
F16H 3/44	1-Punkt Untergruppe	. using gears having orbital motion
F16H 3/46	2-Punkt Untergruppe	. . Gearings having only two central gears, connected by orbital gears (F16H 3/68-F16H 3/78 take precedence)
F16H 3/48	3-Punkt Untergruppe	. . . with single orbital gears or pairs of rigidly-connected orbital gears

Symbol	Typ	Titel
F16H 3/50	4-Punkt Untergruppe	 comprising orbital conical gears
F16H 3/52	4-Punkt Untergruppe	 comprising orbital spur gears
F16H 3/54	5-Punkt Untergruppe	 one of the central gears being internally toothed and the other externally toothed
F16H 3/56	5-Punkt Untergruppe	 both central gears being sun gears
F16H 3/58	3-Punkt Untergruppe	. . . with sets of orbital gears, each consisting of two or more intermeshing orbital gears
F16H 3/60	3-Punkt Untergruppe	. . . Gearings for reversal only
F16H 3/62	2-Punkt Untergruppe	. . Gearings having three or more central gears (F16H 3/68-F16H 3/78 take precedence)
F16H 3/64	3-Punkt Untergruppe	. . . composed of a number of gear trains, the drive always passing through all the trains, each train having not more than one connection for driving another train
F16H 3/66	3-Punkt Untergruppe	. . . composed of a number of gear trains without drive passing from one train to another
F16H 3/68	2-Punkt Untergruppe	. . in which an orbital gear has an axis crossing the main axis of the gearing and has helical teeth or is a worm
F16H 3/70	2-Punkt Untergruppe	. . in which the central axis of the gearing lies inside the periphery of an orbital gear
F16H 3/72	2-Punkt Untergruppe	. . with a secondary drive, e.g. regulating motor, in order to vary speed continuously
F16H 3/74	2-Punkt Untergruppe	. . Complexes, not using actuatable speed-changing or regulating members, e.g. with gear ratio determined by free play of frictional or other forces
F16H 3/76	2-Punkt Untergruppe	. . with an orbital gear having teeth formed or arranged for obtaining multiple gear ratios, e.g. nearly infinitely variable
F16H 3/78	2-Punkt Untergruppe	. . Special adaptation of synchronisation mechanisms to these gearings
<u>Gearing for conveying rotary motion by endless flexible members (flexible members, e.g. belts, chains per se F16G)</u>		
F16H 7/00	Hauptgruppe	Gearings for conveying rotary motion by endless flexible members (specific for conveying rotary motion with variable gear ratio or for reversing rotary motion F16H 9/00)
F16H 7/02	1-Punkt Untergruppe	. with belts; with V-belts
F16H 7/04	1-Punkt Untergruppe	. with ropes
F16H 7/06	1-Punkt Untergruppe	. with chains
F16H 7/08	1-Punkt Untergruppe	. Means for varying tension of belts, ropes, or chains (pulleys of adjustable construction F16H 55/52)
F16H 7/10	2-Punkt Untergruppe	. . by adjusting the axis of a pulley
F16H 7/12	3-Punkt Untergruppe	. . . of an idle pulley
F16H 7/14	3-Punkt Untergruppe	. . . of a driving or driven pulley
F16H 7/16	4-Punkt Untergruppe	 without adjusting the driving or driven shaft
F16H 7/18	1-Punkt Untergruppe	. Means for guiding or supporting belts, ropes, or chains (construction of pulleys F16H 55/36)
F16H 7/20	2-Punkt Untergruppe	. . Mountings for rollers or pulleys
F16H 7/22	1-Punkt Untergruppe	. Belt, rope, or chain shifters
F16H 7/24	1-Punkt Untergruppe	. Equipment for mounting belts, ropes, or chains
F16H 9/00	Hauptgruppe	Gearings for conveying rotary motion with variable gear ratio, or for reversing rotary motion, by endless flexible members (control of change-speed or reversing-gearings conveying rotary motion

Symbol	Typ	Titel
F16H 59/00-F16H 63/00)		
F16H 9/02	1-Punkt Untergruppe	. without members having orbital motion
F16H 9/04	2-Punkt Untergruppe	. . using belts, V-belts, or ropes (with toothed belts F16H 9/24; pulleys of adjustable construction F16H 55/52)
F16H 9/06	3-Punkt Untergruppe	. . . engaging a stepped pulley
F16H 9/08	3-Punkt Untergruppe	. . . engaging a conical drum (F16H 9/12 takes precedence)
F16H 9/10	3-Punkt Untergruppe	. . . engaging a pulley provided with radially-actuatable elements carrying the belt
F16H 9/12	3-Punkt Untergruppe	. . . engaging a pulley built-up out of relatively axially-adjustable parts in which the belt engages the opposite flanges of the pulley directly without interposed belt-supporting members
F16H 9/14	4-Punkt Untergruppe	 using only one pulley built-up out of adjustable conical parts
F16H 9/16	4-Punkt Untergruppe	 using two pulleys, both built-up out of adjustable conical parts
F16H 9/18	5-Punkt Untergruppe	 only one flange of each pulley being adjustable
F16H 9/20	5-Punkt Untergruppe	 both flanges of the pulleys being adjustable
F16H 9/22	3-Punkt Untergruppe	. . . specially adapted for ropes
F16H 9/24	2-Punkt Untergruppe	. . using chains, toothed belts, belts in the form of links; Chains or belts specially adapted to such gearing (toothed belts F16G 1/28; V-belts in the form of links F16G 5/18; toothed V-belts F16G 5/20)
F16H 9/26	1-Punkt Untergruppe	. with members having orbital motion
<u>Other friction gearing for conveying rotary motion</u>		
F16H 13/00	Hauptgruppe	Gearing for conveying rotary motion with constant gear ratio by friction between rotary members (specific for conveying rotary motion with variable gear ratio or for reversing rotary motion F16H 15/00)
F16H 13/02	1-Punkt Untergruppe	. without members having orbital motion
F16H 13/04	2-Punkt Untergruppe	. . with balls or with rollers acting in a similar manner
F16H 13/06	1-Punkt Untergruppe	. with members having orbital motion
F16H 13/08	2-Punkt Untergruppe	. . with balls or with rollers acting in a similar manner
F16H 13/10	1-Punkt Untergruppe	. Means for influencing the pressure between the members
F16H 13/12	2-Punkt Untergruppe	. . by magnetic forces
F16H 13/14	2-Punkt Untergruppe	. . for automatically varying the pressure mechanically
F16H 15/00	Hauptgruppe	Gearings for conveying rotary motion with variable gear ratio, or for reversing rotary motion, by friction between rotary members (control of change-speed or reversing-gearings conveying rotary motion F16H 59/00-F16H 63/00)
F16H 15/01	1-Punkt Untergruppe	. characterised by the use of a magnetisable powder or liquid as friction medium between the rotary members [2]
F16H 15/02	1-Punkt Untergruppe	. without members having orbital motion
F16H 15/04	2-Punkt Untergruppe	. . Gearings providing a continuous range of gear ratios
F16H 15/06	3-Punkt Untergruppe	. . . in which a member A of uniform effective diameter mounted on a shaft may co-operate with different parts of a member B
F16H 15/08	4-Punkt Untergruppe	 in which the member B is a disc with a flat or approximately-flat friction surface

Symbol	Typ	Titel
F16H 15/10	5-Punkt Untergruppe	 in which the axes of the two members cross or intersect
F16H 15/12	6-Punkt Untergruppe	 in which one or each member is duplicated, e.g. for obtaining better transmission, for lessening the reaction forces on the bearings
F16H 15/14	5-Punkt Untergruppe	 in which the axes of the members are parallel or approximately parallel
F16H 15/16	4-Punkt Untergruppe	 in which the member B has a conical friction surface
F16H 15/18	5-Punkt Untergruppe	 externally
F16H 15/20	6-Punkt Untergruppe	 co-operating with the outer rim of the member A, which is perpendicular or nearly perpendicular to the friction surface of the member B
F16H 15/22	6-Punkt Untergruppe	 the axes of the members being parallel or approximately parallel
F16H 15/24	5-Punkt Untergruppe	 internally
F16H 15/26	4-Punkt Untergruppe	 in which the member B has a spherical friction surface centered on its axis of revolution
F16H 15/28	5-Punkt Untergruppe	 with external friction surface
F16H 15/30	5-Punkt Untergruppe	 with internal friction surface
F16H 15/32	4-Punkt Untergruppe	 in which the member B has a curved friction surface formed as a surface of a body of revolution generated by a curve which is neither a circular arc centered on its axis of revolution nor a straight line
F16H 15/34	5-Punkt Untergruppe	 with convex friction surface
F16H 15/36	5-Punkt Untergruppe	 with concave friction surface, e.g. a hollow toroid surface
F16H 15/38	6-Punkt Untergruppe	 with two members B having hollow toroid surfaces opposite to each other, the member or members A being adjustably mounted between the surfaces
F16H 15/40	3-Punkt Untergruppe	. . . in which two members co-operate by means of balls, or rollers of uniform effective diameter, not mounted on shafts
F16H 15/42	3-Punkt Untergruppe	. . . in which two members co-operate by means of rings or by means of parts of endless flexible members pressed between the first-mentioned members
F16H 15/44	3-Punkt Untergruppe	. . . in which two members of non-uniform effective diameter directly co-operate with one another
F16H 15/46	2-Punkt Untergruppe	. . Gearings providing a discontinuous or stepped range of gear ratios
F16H 15/48	1-Punkt Untergruppe	. with members having orbital motion
F16H 15/50	2-Punkt Untergruppe	. . Gearings providing a continuous range of gear ratios
F16H 15/52	3-Punkt Untergruppe	. . . in which a member of uniform effective diameter mounted on a shaft may co-operate with different parts of another member
F16H 15/54	3-Punkt Untergruppe	. . . in which two members co-operate by means of rings or by means of parts of endless flexible members pressed between the first-mentioned members
F16H 15/56	2-Punkt Untergruppe	. . Gearings providing a discontinuous or stepped range of gear ratios
F16H 19/00	Hauptgruppe	Gearings comprising essentially only toothed gears or friction members and not capable of conveying indefinitely-continuing rotary motion (with intermittently-driving members F16H 27/00-F16H 31/00; rope or like tackle for lifting or haulage B66D 3/00)
F16H 19/02	1-Punkt Untergruppe	. for interconverting rotary motion and reciprocating motion
F16H 19/04	2-Punkt Untergruppe	. . comprising a rack

Symbol	Typ	Titel
F16H 19/06	2-Punkt Untergruppe	. . comprising an endless flexible member
F16H 19/08	1-Punkt Untergruppe	. for interconverting rotary motion and oscillating motion
<u>Gearing for conveying or converting motion by means of levers, links, or cams (combinations of gearings of different types F16H 37/00)</u>		
F16H 21/00	Hauptgruppe	Gearings comprising primarily only links or levers, with or without slides (F16H 23/00 takes precedence)
F16H 21/02	1-Punkt Untergruppe	. the movements of two or more independently-moving members being combined into a single movement
F16H 21/04	1-Punkt Untergruppe	. Guiding mechanisms, e.g. for straight-line guidance (for drawing-machines B43L)
F16H 21/06	1-Punkt Untergruppe	. which can be made ineffective when desired
F16H 21/08	2-Punkt Untergruppe	. . by pushing a reciprocating rod out of its operative position
F16H 21/10	1-Punkt Untergruppe	. all movement being in, or parallel to, a single plane
F16H 21/12	2-Punkt Untergruppe	. . for conveying rotary motion
F16H 21/14	3-Punkt Untergruppe	. . . by means of cranks, eccentrics, or like members fixed to one rotary member and guided along tracks on the other
F16H 21/16	2-Punkt Untergruppe	. . for interconverting rotary motion and reciprocating motion
F16H 21/18	3-Punkt Untergruppe	. . . Crank gearings; Eccentric gearings
F16H 21/20	4-Punkt Untergruppe	 with adjustment of throw (adjustable cranks or eccentrics F16C 3/28; adjustable connecting-rods F16C 7/06)
F16H 21/22	4-Punkt Untergruppe	 with one connecting-rod and one guided slide to each crank or eccentric
F16H 21/24	5-Punkt Untergruppe	 without further links or guides
F16H 21/26	5-Punkt Untergruppe	 with toggle action
F16H 21/28	5-Punkt Untergruppe	 with cams or additional guides
F16H 21/30	5-Punkt Untergruppe	 with members having rolling contact
F16H 21/32	5-Punkt Untergruppe	 with additional members comprising only pivoted links or arms
F16H 21/34	4-Punkt Untergruppe	 with two or more connecting-rods to each crank or eccentric
F16H 21/36	4-Punkt Untergruppe	 without swinging connecting-rod, e.g. with epicyclic parallel motion, slot-and- crank motion
F16H 21/38	4-Punkt Untergruppe	 with means for temporary energy accumulation, e.g. to overcome dead-centre positions
F16H 21/40	2-Punkt Untergruppe	. . for interconverting rotary motion and oscillating motion
F16H 21/42	3-Punkt Untergruppe	. . . with adjustable throw
F16H 21/44	2-Punkt Untergruppe	. . for conveying or interconverting oscillating or reciprocating motions
F16H 21/46	1-Punkt Untergruppe	. with movements in three dimensions
F16H 21/48	2-Punkt Untergruppe	. . for conveying rotary motion
F16H 21/50	2-Punkt Untergruppe	. . for interconverting rotary motion and reciprocating motion
F16H 21/52	2-Punkt Untergruppe	. . for interconverting rotary motion and oscillating motion
F16H 21/54	2-Punkt Untergruppe	. . for conveying or interconverting oscillating or reciprocating motions

Symbol	Typ	Titel
F16H 23/00	Hauptgruppe	Wobble-plate gears; Oblique-crank gears
F16H 23/02	1-Punkt Untergruppe	. with adjustment of throw by changing the position of the wobble-member (F16H 29/04, F16H 33/10 take precedence)
F16H 23/04	1-Punkt Untergruppe	. with non-rotary wobble-members
F16H 23/06	2-Punkt Untergruppe	. . with sliding members hinged to reciprocating members
F16H 23/08	2-Punkt Untergruppe	. . connected to reciprocating members by connecting-rods
F16H 23/10	1-Punkt Untergruppe	. with rotary wobble-plates with plane surfaces
F16H 25/00	Hauptgruppe	Gears comprising primarily only cams, cam-followers and screw-and-nut mechanisms
F16H 25/02	1-Punkt Untergruppe	. the movements of two or more independently-moving members being combined into a single movement
F16H 25/04	1-Punkt Untergruppe	. for conveying rotary motion
F16H 25/06	2-Punkt Untergruppe	. . with intermediate members guided along tracks on both rotary members
F16H 25/08	1-Punkt Untergruppe	. for interconverting rotary motion and reciprocating motion (F16H 23/00 takes precedence)
F16H 25/10	2-Punkt Untergruppe	. . with adjustable throw (adjustable cams F16H 53/04)
F16H 25/12	2-Punkt Untergruppe	. . with reciprocation along the axis of rotation, e.g. gears with helical grooves and automatic reversal (screw mechanisms without automatic reversal F16H 25/20)
F16H 25/14	2-Punkt Untergruppe	. . with reciprocation perpendicular to the axis of rotation (F16H 21/36 takes precedence)
F16H 25/16	1-Punkt Untergruppe	. for interconverting rotary motion and oscillating motion
F16H 25/18	1-Punkt Untergruppe	. for conveying or interconverting oscillating or reciprocating motions
F16H 25/20	2-Punkt Untergruppe	. . Screw mechanisms (with automatic reversal F16H 25/12)
F16H 25/22	3-Punkt Untergruppe	. . . with balls, rollers, or similar members between the co-operating parts; Elements essential to the use of such members
F16H 25/24	3-Punkt Untergruppe	. . . Elements essential to such mechanisms, e.g. screws, nuts (F16H 25/22 takes precedence)
		<u>Gears with intermittently-driving members</u>
F16H 27/00	Hauptgruppe	Step-by-step mechanisms without freewheel members, e.g. Geneva drives (rotary gears with cyclically-varying velocity ratio F16H 35/02; impulse couplings F16D 5/00; clockwork escapements G04B 15/00)
F16H 27/02	1-Punkt Untergruppe	. with at least one reciprocating or oscillating transmission member
F16H 27/04	1-Punkt Untergruppe	. for converting continuous rotation into a step-by-step rotary movement
F16H 27/06	2-Punkt Untergruppe	. . Mechanisms with driving pins in driven slots, e.g. Geneva drives
F16H 27/08	2-Punkt Untergruppe	. . with driving toothed gears with interrupted toothing
F16H 27/10	2-Punkt Untergruppe	. . obtained by means of disengageable transmission members, combined or not combined with mechanisms according to group F16H 27/06 or F16H 27/08
F16H 29/00	Hauptgruppe	Gears for conveying rotary motion with intermittently-driving members, e.g. with freewheel action (freewheels F16D 41/00)
F16H 29/02	1-Punkt Untergruppe	. between one of the shafts and an oscillating or reciprocating intermediate member, not rotating with either of the shafts (F16H 29/20, F16H 29/22 take precedence)
F16H 29/04	2-Punkt Untergruppe	. . in which the transmission ratio is changed by adjustment of a crank, an eccentric, a wobble-plate, or a cam, on one of the shafts

Symbol	Typ	Titel
F16H 29/06	3-Punkt Untergruppe	. . . with concentric shafts, an annular intermediate member moving around and being supported on an adjustable crank or eccentric
F16H 29/08	2-Punkt Untergruppe	. . in which the transmission ratio is changed by adjustment of the path of movement, the location of the pivot, or the effective length, of an oscillating connecting member
F16H 29/10	2-Punkt Untergruppe	. . in which the transmission ratio is changed by directly acting on the intermittently driving members
F16H 29/12	1-Punkt Untergruppe	. between rotary driving and driven members (F16H 29/20, F16H 29/22 take precedence)
F16H 29/14	2-Punkt Untergruppe	. . in which the transmission ratio is changed by adjustment of an otherwise stationary guide member for the intermittently-driving members
F16H 29/16	2-Punkt Untergruppe	. . in which the transmission ratio is changed by adjustment of the distance between the axes of the rotary members
F16H 29/18	3-Punkt Untergruppe	. . . in which the intermittently-driving members slide along approximately radial guides while rotating with one of the rotary members
F16H 29/20	1-Punkt Untergruppe	. the intermittently-acting members being shaped as worms, screws, or racks
F16H 29/22	1-Punkt Untergruppe	. with automatic speed change
F16H 31/00	Hauptgruppe	Other gearings with freewheeling members or other intermittently-driving members (F16H 21/00, F16H 23/00, F16H 25/00 take precedence; gearings involving the use of automatic changing-mechanisms, e.g. cyclically-actuated reversal gearings, <u>see</u> the appropriate groups)
F16H 33/00	Hauptgruppe	Gearings based on repeated accumulation and delivery of energy
F16H 33/02	1-Punkt Untergruppe	. Rotary transmissions with mechanical accumulators, e.g. weights, springs, intermittently-connected flywheels
F16H 33/04	2-Punkt Untergruppe	. . Gearings for conveying rotary motion with variable velocity ratio, in which self-regulation is sought
F16H 33/06	3-Punkt Untergruppe	. . . based essentially on spring action (ratchet slip couplings F16D 7/04)
F16H 33/08	3-Punkt Untergruppe	. . . based essentially on inertia
F16H 33/10	4-Punkt Untergruppe	 with gyroscopic action, e.g. comprising wobble-plates, oblique cranks
F16H 33/12	4-Punkt Untergruppe	 with a driving member connected differentially with both a driven member and an oscillatory member with large resistance to movement, e.g. Constantinesco gearing
F16H 33/14	4-Punkt Untergruppe	 having orbital members influenced by regulating masses
F16H 33/16	5-Punkt Untergruppe	 which have their own free motion, or consist of fluid
F16H 33/18	5-Punkt Untergruppe	 of which the motion is constrained
F16H 33/20	1-Punkt Untergruppe	. for interconversion, based essentially on inertia, of rotary motion and reciprocating or oscillating motion
F16H 35/00	Hauptgruppe	Gearings or mechanisms with other special functional features
F16H 35/02	1-Punkt Untergruppe	. for conveying rotary motion with cyclically-varying velocity ratio (speed-changing mechanisms operating cyclically, <u>see</u> the appropriate groups)
F16H 35/06	1-Punkt Untergruppe	. Gearings designed to allow relative movement between supports thereof without ill effects (F16H 1/26, F16H 1/48 take precedence)
F16H 35/08	1-Punkt Untergruppe	. for adjustment of members on moving parts from a stationary place
F16H 35/10	1-Punkt Untergruppe	. Arrangements or devices for absorbing overload or preventing damage by overload (couplings for transmitting rotation F16D)

Symbol	Typ	Titel
F16H 35/12	1-Punkt Untergruppe	. Transmitting mechanisms with delayed effect (vibration- or shock-dampers in general F16F)
F16H 35/14	1-Punkt Untergruppe	. Mechanisms with only two stable positions, e.g. acting at definite angular positions
F16H 35/16	1-Punkt Untergruppe	. Mechanisms for movements or movement relations conforming to mathematical formulae (devices in which computing operations are performed mechanically G06G 3/00)
F16H 35/18	1-Punkt Untergruppe	. Turning devices for rotatable members, e.g. shafts (starting devices for internal-combustion engines F02N)
F16H 37/00	Hauptgruppe	Combinations of mechanical gearings, not hereinbefore provided for (applications of underdrives or overdrives in motor vehicles, combinations with differential gearings in motor vehicles B60K)
F16H 37/02	1-Punkt Untergruppe	. comprising essentially only toothed or friction gearings
F16H 37/04	2-Punkt Untergruppe	. . Combinations of toothed gearings only (F16H 37/06 takes precedence)
F16H 37/06	2-Punkt Untergruppe	. . with a plurality of driving or driven shafts; with arrangements for dividing torque between two or more intermediate shafts
F16H 37/08	3-Punkt Untergruppe	. . . with differential gearing
F16H 37/10	4-Punkt Untergruppe	 at both ends of intermediate shafts
F16H 37/12	1-Punkt Untergruppe	. Gearings comprising primarily toothed or friction gearing, links or levers, and cams, or members of at least two of these three types (F16H 21/14, F16H 21/28, F16H 21/30 take precedence; toothed or friction gearing or cam gearing, with only an additional lever or link, <u>see</u> the appropriate group for the main gearing)
F16H 37/14	2-Punkt Untergruppe	. . the movements of two or more independently-moving members being combined into a single movement
F16H 37/16	2-Punkt Untergruppe	. . with a driving or driven member which both rotates or oscillates on its axis and reciprocates
F16H 39/00	Hauptgruppe	<u>Fluid gearing (fluid actuators F15B; couplings or clutches with a fluid or semifluid as power-transmitting means F16D 31/00-F16D 39/00; fluid-resistance brakes F16D 57/00) [3]</u> Rotary fluid gearing using pumps and motors of the volumetric type, i.e. passing a predetermined volume of fluid per revolution (control of exclusively fluid gearing F16H 61/38; application to lifting or pushing equipment B66F) [5]
F16H 39/01	1-Punkt Untergruppe	. Pneumatic gearing; Gearing working with subatmospheric pressure (pneumatic hammers B25D 9/00) [2]
F16H 39/02	1-Punkt Untergruppe	. with liquid motors at a distance from liquid pumps
F16H 39/04	1-Punkt Untergruppe	. with liquid motor and pump combined in one unit
F16H 39/06	2-Punkt Untergruppe	. . pump and motor being of the same type
F16H 39/08	3-Punkt Untergruppe	. . . each with one main shaft and provided with pistons reciprocating in cylinders
F16H 39/10	4-Punkt Untergruppe	 with cylinders arranged around, and parallel or approximately parallel to, the main axis of the gearing
F16H 39/12	5-Punkt Untergruppe	 with stationary cylinders
F16H 39/14	5-Punkt Untergruppe	 with cylinders carried in rotary cylinder blocks or cylinder-bearing members
F16H 39/16	4-Punkt Untergruppe	 with cylinders arranged perpendicular to the main axis of the gearing
F16H 39/18	5-Punkt Untergruppe	 the connections of the pistons being at the outer ends of the cylinders
F16H 39/20	5-Punkt Untergruppe	 the connections of the pistons being at the inner ends of the cylinders
F16H 39/22	3-Punkt Untergruppe	. . . with liquid chambers shaped as bodies of revolution concentric with the main axis of the gearing
F16H 39/24	4-Punkt Untergruppe	 with rotary displacement members, e.g. provided with axially or radially movable vanes passing movable sealing members

Symbol	Typ	Titel
F16H 39/26	3-Punkt Untergruppe	. . . with liquid chambers not shaped as bodies of revolution or shaped as bodies of revolution eccentric to the main axis of the gearing
F16H 39/28	4-Punkt Untergruppe	 with liquid chambers formed in rotary members
F16H 39/30	4-Punkt Untergruppe	 with liquid chambers formed in stationary members
F16H 39/32	5-Punkt Untergruppe	 with sliding vanes carried by the rotor
F16H 39/34	3-Punkt Untergruppe	. . . in which a rotor on one shaft co-operates with a rotor on another shaft
F16H 39/36	4-Punkt Untergruppe	 toothed-gear type
F16H 39/38	4-Punkt Untergruppe	 Displacement screw-pump type
F16H 39/40	3-Punkt Untergruppe	. . . Hydraulic differential gearings, e.g. having a rotary input housing with interconnected liquid chambers for both outputs
F16H 39/42	2-Punkt Untergruppe	. . pump and motor being of different types
F16H 41/00	Hauptgruppe	Rotary fluid gearing of the hydrokinetic type (control of exclusively fluid gearing F16H 61/38) [5]
F16H 41/02	1-Punkt Untergruppe	. with pump and turbine connected by conduits or ducts
F16H 41/04	1-Punkt Untergruppe	. Combined pump-turbine units
F16H 41/22	2-Punkt Untergruppe	. . Gearing systems consisting of a plurality of hydrokinetic units operating alternatively, e.g. made effective or ineffective by filling or emptying or by mechanical clutches
F16H 41/24	1-Punkt Untergruppe	. Details
F16H 41/26	2-Punkt Untergruppe	. . Shape of runner blades or channels with respect to function
F16H 41/28	2-Punkt Untergruppe	. . with respect to manufacture, e.g. blade attachment
F16H 41/30	2-Punkt Untergruppe	. . relating to venting, lubrication, cooling, circulation of the cooling medium
F16H 41/32	1-Punkt Untergruppe	. Selection of working fluids (chemical aspects, <u>see</u> the relevant classes)
F16H 43/00	Hauptgruppe	Other fluid gearing, e.g. with oscillating input or output [2]
F16H 43/02	1-Punkt Untergruppe	. Fluid gearing actuated by pressure waves [2]
F16H 45/00	Hauptgruppe	Combinations of fluid gearings for conveying rotary motion with couplings or clutches (F16H 41/22 takes precedence; conjoint control of driveline clutches and change-speed gearing in vehicles B60W 10/02, B60W 10/10) [2]
F16H 45/02	1-Punkt Untergruppe	. with mechanical clutches for bridging a fluid gearing of the hydrokinetic type (control of torque converter lock-up clutches F16H 61/14)
F16H 47/00	Hauptgruppe	Combinations of mechanical gearing with fluid clutches or fluid gearing (conjoint control of driveline clutches and change-speed gearing in vehicles B60W 10/02, B60W 10/10) [2]
F16H 47/02	1-Punkt Untergruppe	. the fluid gearing being of the volumetric type
F16H 47/04	2-Punkt Untergruppe	. . the mechanical gearing being of the type with members having orbital motion
F16H 47/06	1-Punkt Untergruppe	. the fluid gearing being of the hydrokinetic type
F16H 47/07	2-Punkt Untergruppe	. . using two or more power-transmitting fluid circuits (F16H 47/10 takes precedence) [2]
F16H 47/08	2-Punkt Untergruppe	. . the mechanical gearing being of the type with members having orbital motion
F16H 47/10	3-Punkt Untergruppe	. . . using two or more power-transmitting fluid circuits [2]
F16H 47/12	3-Punkt Untergruppe	. . . the members with orbital motion having vanes interacting with the fluid [2]

Symbol	Typ	Titel
F16H 48/00	Hauptgruppe	Differential gearings [6]
F16H 48/02	1-Punkt Untergruppe	. Transfer gears for influencing drive between outputs [6]
F16H 48/04	2-Punkt Untergruppe	. . having unequal torque transfer between two outputs [6]
F16H 48/06	1-Punkt Untergruppe	. with gears having orbital motion [6]
F16H 48/08	2-Punkt Untergruppe	. . with orbital conical gears [6]
F16H 48/10	2-Punkt Untergruppe	. . with orbital spur gears [6]
F16H 48/12	1-Punkt Untergruppe	. without gears having orbital motion [6]
F16H 48/14	2-Punkt Untergruppe	. . with cams [6]
F16H 48/16	2-Punkt Untergruppe	. . with freewheels [6]
F16H 48/18	2-Punkt Untergruppe	. . with fluid gearing [6]
F16H 48/20	1-Punkt Untergruppe	. Arrangements for suppressing or influencing the differential action, e.g. locking devices [6]
F16H 48/22	2-Punkt Untergruppe	. . using friction clutches or brakes [6]
F16H 48/24	2-Punkt Untergruppe	. . using positive clutches or brakes [6]
F16H 48/26	2-Punkt Untergruppe	. . using fluid action, e.g. viscous clutches [6]
F16H 48/28	2-Punkt Untergruppe	. . using self-locking gears [6]
F16H 48/30	2-Punkt Untergruppe	. . using externally-actuatable locking devices [6]
F16H 49/00	Hauptgruppe	Other gearing
		<u>Details of gearing or mechanisms (of screw-and-nut gearing F16H 25/00; of fluid gearing F16H 39/00-F16H 43/00; shafts, Bowden mechanisms, cranks, eccentrics, bearings, pivotal connections, crossheads, connecting-rods F16C; chains, belts F16G; piston-rods F16J 7/00)</u>
F16H 51/00	Hauptgruppe	Levers (manipulating levers G05G)
F16H 51/02	1-Punkt Untergruppe	. adjustable
F16H 53/00	Hauptgruppe	Cams; Non-rotary cams; Cam-followers, e.g. rollers (cams specially adapted for reciprocating-piston liquid engines F03C 1/30)
F16H 53/02	1-Punkt Untergruppe	. Single-track cams for single-revolution cycles; Camshafts with such cams
F16H 53/04	2-Punkt Untergruppe	. . Adjustable cams
F16H 53/06	1-Punkt Untergruppe	. Cam-followers (F16H 53/08 takes precedence)
F16H 53/08	1-Punkt Untergruppe	. Multi-track cams, e.g. for cycles consisting of several revolutions; Cam-followers specially adapted for such cams
F16H 55/00	Hauptgruppe	Elements with teeth or friction surfaces for conveying motion; Worms; Pulleys; Sheaves (pulley-blocks for lifting or hauling appliances B66D 3/04) [4]
F16H 55/02	1-Punkt Untergruppe	. Toothed members; Worms
F16H 55/06	2-Punkt Untergruppe	. . Use of materials; Use of treatments of toothed members or worms to affect their intrinsic material properties [3]
F16H 55/08	2-Punkt Untergruppe	. . Profiling [3]
F16H 55/10	2-Punkt Untergruppe	. . Constructively simple tooth shapes, e.g. shaped as pins, as balls [3]
F16H 55/12	2-Punkt Untergruppe	. . with body or rim assembled out of detachable parts [3]

Symbol	Typ	Titel
F16H 55/14	2-Punkt Untergruppe	. . Construction providing resilience or vibration-damping (F16H 55/06 takes precedence; resilient coupling of wheel or wheel-rim with shaft F16D 3/50, F16D 3/80) [3]
F16H 55/16	3-Punkt Untergruppe	. . . relating to teeth only [3]
F16H 55/17	2-Punkt Untergruppe	. . Toothed wheels (worm wheels F16H 55/22; chain wheels F16H 55/30) [3]
F16H 55/18	3-Punkt Untergruppe	. . . Special devices for taking-up backlash
F16H 55/20	4-Punkt Untergruppe	 for bevel gears
F16H 55/22	2-Punkt Untergruppe	. . for transmissions with crossing shafts, especially worms, worm-gears (bevel gears, crown wheels, helical gears F16H 55/17)
F16H 55/24	3-Punkt Untergruppe	. . . Special devices for taking up backlash
F16H 55/26	2-Punkt Untergruppe	. . Racks
F16H 55/28	3-Punkt Untergruppe	. . . Special devices for taking up backlash
F16H 55/30	2-Punkt Untergruppe	. . Chain wheels (specially adapted for cycles B62M)
F16H 55/32	1-Punkt Untergruppe	. Friction members (friction surfaces F16D 69/00)
F16H 55/34	2-Punkt Untergruppe	. . Non-adjustable friction discs
F16H 55/36	2-Punkt Untergruppe	. . Pulleys (with features essential for adjustment F16H 55/52)
F16H 55/38	3-Punkt Untergruppe	. . . Means or measures for increasing adhesion (in general F16D 69/00)
F16H 55/40	3-Punkt Untergruppe	. . . with spokes (F16H 55/48 takes precedence)
F16H 55/42	3-Punkt Untergruppe	. . . Laminated pulleys
F16H 55/44	3-Punkt Untergruppe	. . . Sheet-metal pulleys
F16H 55/46	3-Punkt Untergruppe	. . . Split pulleys
F16H 55/48	3-Punkt Untergruppe	. . . manufactured exclusively or in part of non-metallic material, e.g. plastics (F16H 55/38, F16H 55/42, F16H 55/46 take precedence)
F16H 55/49	3-Punkt Untergruppe	. . . Features essential to V-belt pulleys [2]
F16H 55/50	3-Punkt Untergruppe	. . . Features essential to rope pulleys
F16H 55/52	2-Punkt Untergruppe	. . Pulleys or friction discs of adjustable construction
F16H 55/54	3-Punkt Untergruppe	. . . of which the bearing parts are radially adjustable
F16H 55/56	3-Punkt Untergruppe	. . . of which the bearing parts are relatively axially adjustable
F16H 57/00	Hauptgruppe	General details of gearing
F16H 57/02	1-Punkt Untergruppe	. Gear-boxes; Mounting gearing therein
F16H 57/04	1-Punkt Untergruppe	. Features relating to lubrication or cooling
F16H 57/05	2-Punkt Untergruppe	. . of chains (for conveyers B65G 45/08)
F16H 57/08	1-Punkt Untergruppe	. of gearings with members having orbital motion
F16H 57/10	2-Punkt Untergruppe	. . Braking arrangements
F16H 57/12	1-Punkt Untergruppe	. Arrangements for adjusting or for taking-up backlash not provided for elsewhere [2]

Symbol	Typ	Titel
<u>Control of gearing conveying rotary motion (orbital toothed gears with a secondary drive in order to vary the speed continuously F16H 3/72; varying the speed ratio of driving or feeding mechanisms of machine tools B23Q 5/12, B23Q 5/46; conjoint control of drive units for vehicles B60W; cycle transmissions B62M; marine propulsion B63H) [5]</u>		
F16H 59/00	Hauptgruppe	Control inputs to change-speed- or reversing-gearings for conveying rotary motion [5]
F16H 59/02	1-Punkt Untergruppe	. Selector apparatus [5]
F16H 59/04	2-Punkt Untergruppe	. . Ratio selector apparatus [5]
F16H 59/06	3-Punkt Untergruppe	. . . the ratio being infinitely variable [5]
F16H 59/08	2-Punkt Untergruppe	. . Range selector apparatus [5]
F16H 59/10	3-Punkt Untergruppe	. . . comprising levers [5]
F16H 59/12	3-Punkt Untergruppe	. . . comprising push button devices [5]
F16H 59/14	1-Punkt Untergruppe	. Inputs being a function of torque or torque demand [5]
F16H 59/16	2-Punkt Untergruppe	. . Dynamometric measurement of torque [5]
F16H 59/18	2-Punkt Untergruppe	. . dependent on the position of the accelerator pedal [5]
F16H 59/20	3-Punkt Untergruppe	. . . Kickdown [5]
F16H 59/22	3-Punkt Untergruppe	. . . Idle position [5]
F16H 59/24	2-Punkt Untergruppe	. . dependent on the throttle opening [5]
F16H 59/26	2-Punkt Untergruppe	. . dependent on pressure [5]
F16H 59/28	3-Punkt Untergruppe	. . . Gasifier pressure in gas turbines [5]
F16H 59/30	3-Punkt Untergruppe	. . . Intake manifold vacuum [5]
F16H 59/32	3-Punkt Untergruppe	. . . Supercharger pressure in internal combustion engines [5]
F16H 59/34	2-Punkt Untergruppe	. . dependent on fuel feed [5]
F16H 59/36	1-Punkt Untergruppe	. Inputs being a function of speed [5]
F16H 59/38	2-Punkt Untergruppe	. . of gearing elements [5]
F16H 59/40	3-Punkt Untergruppe	. . . Output shaft speed [5]
F16H 59/42	3-Punkt Untergruppe	. . . Input shaft speed [5]
F16H 59/44	2-Punkt Untergruppe	. . dependent on machine speed (F16H 59/46 takes precedence) [5]
F16H 59/46	2-Punkt Untergruppe	. . dependent on a comparison between speeds [5]
F16H 59/48	1-Punkt Untergruppe	. Inputs being a function of acceleration [5]
F16H 59/50	1-Punkt Untergruppe	. Inputs being a function of the status of the machine, e.g. position of doors or safety belts [5]
F16H 59/52	2-Punkt Untergruppe	. . dependent on the weight of the machine, e.g. change in weight resulting from passengers boarding a bus [5]
F16H 59/54	2-Punkt Untergruppe	. . dependent on signals from the brakes, e.g. parking brakes [5]
F16H 59/56	2-Punkt Untergruppe	. . dependent on signals from the main clutch [5]
F16H 59/58	2-Punkt Untergruppe	. . dependent on signals from the steering [5]

Symbol	Typ	Titel
F16H 59/60	1-Punkt Untergruppe	. Inputs being a function of ambient conditions [5]
F16H 59/62	2-Punkt Untergruppe	. . Atmospheric pressure [5]
F16H 59/64	2-Punkt Untergruppe	. . Atmospheric temperature [5]
F16H 59/66	2-Punkt Untergruppe	. . Road conditions, e.g. slope, slippery [5]
F16H 59/68	1-Punkt Untergruppe	. Inputs being a function of gearing status [5]
F16H 59/70	2-Punkt Untergruppe	. . dependent on the ratio established [5]
F16H 59/72	2-Punkt Untergruppe	. . dependent on oil characteristics, e.g. temperature, viscosity [5]
F16H 59/74	1-Punkt Untergruppe	. Inputs being a function of engine parameters (F16H 59/14 takes precedence) [5]
F16H 59/76	2-Punkt Untergruppe	. . Number of cylinders operating [5]
F16H 59/78	2-Punkt Untergruppe	. . Temperature [5]
F16H 61/00	Hauptgruppe	Control functions within change-speed- or reversing-gearings for conveying rotary motion [5]
F16H 61/02	1-Punkt Untergruppe	. characterised by the signals used [5]
F16H 61/04	1-Punkt Untergruppe	. Smoothing ratio shift [5]
F16H 61/06	2-Punkt Untergruppe	. . by controlling rate of change of fluid pressure [5]
F16H 61/08	2-Punkt Untergruppe	. . Timing control [5]
F16H 61/10	1-Punkt Untergruppe	. Regulating shift hysteresis [5]
F16H 61/12	1-Punkt Untergruppe	. Detecting malfunction or potential malfunction, e.g. fail safe [5]
F16H 61/14	1-Punkt Untergruppe	. Control of torque converter lock-up clutches [5]
F16H 61/16	1-Punkt Untergruppe	. Inhibiting shift during unfavourable conditions (F16H 61/18 takes precedence) [5]
F16H 61/18	1-Punkt Untergruppe	. Preventing unintentional or unsafe shift (constructional features of the final output mechanisms F16H 63/30) [5]
F16H 61/20	1-Punkt Untergruppe	. Preventing gear creeping [5]
F16H 61/21	1-Punkt Untergruppe	. Providing engine brake control [7]
F16H 61/22	1-Punkt Untergruppe	. Locking (F16H 63/34 takes precedence) [5]
F16H 61/24	1-Punkt Untergruppe	. Providing feel, e.g. to enable selection [5]
F16H 61/26	1-Punkt Untergruppe	. Generation or transmission of movements for final actuating mechanisms [5]
F16H 61/28	2-Punkt Untergruppe	. . with at least one movement of the final actuating mechanism being caused by a non-mechanical force, e.g. power-assisted [5]
F16H 61/30	3-Punkt Untergruppe	. . . Hydraulic motors therefor [5]
F16H 61/32	3-Punkt Untergruppe	. . . Electric motors therefor [5]
F16H 61/34	2-Punkt Untergruppe	. . comprising two mechanisms, one for the preselection movement, and one for the shifting movement (F16H 61/36 takes precedence) [5]
F16H 61/36	2-Punkt Untergruppe	. . with at least one movement being transmitted by a cable [5]
F16H 61/38	1-Punkt Untergruppe	. Control of exclusively fluid gearing [5]

Symbol	Typ	Titel
F16H 61/40	2-Punkt Untergruppe	. . hydrostatic (involving modification of the gearing F16H 39/02, F16H 39/04) [5]
F16H 61/42	3-Punkt Untergruppe	. . . involving adjustment of a pump or motor with adjustable output or capacity [5]
F16H 61/44	3-Punkt Untergruppe	. . . by varying the number of pump or motor units in operation [5]
F16H 61/46	3-Punkt Untergruppe	. . . Automatic regulation in accordance with output requirements (servomotors G05B) [5]
F16H 61/48	2-Punkt Untergruppe	. . hydrodynamic [5]
F16H 61/50	3-Punkt Untergruppe	. . . controlled by changing the flow, force, or reaction of the liquid in the working circuit, while maintaining a completely filled working circuit [5]
F16H 61/52	4-Punkt Untergruppe	 by altering the position of blades [5]
F16H 61/54	5-Punkt Untergruppe	 by means of axially-shiftable blade runners [5]
F16H 61/56	5-Punkt Untergruppe	 to change the blade angle [5]
F16H 61/58	4-Punkt Untergruppe	 by change of the mechanical connection of, or between, the runners [5]
F16H 61/60	5-Punkt Untergruppe	 exclusively by the use of freewheel clutches [5]
F16H 61/62	5-Punkt Untergruppe	 involving use of a speed-changing gearing or of a clutch in the connection between runners (F16H 45/02, F16H 61/60 take precedence) [5]
F16H 61/64	3-Punkt Untergruppe	. . . controlled by changing the amount of liquid in the working circuit [5]
<i>F16H 61/66</i>	<i>1-Punkt Untergruppe</i>	<i>. . specially adapted for continuously variable gearings (F16H 61/38 takes precedence) [2006.01]</i>
<i>F16H 61/662</i>	<i>2-Punkt Untergruppe</i>	<i>. . with endless flexible members [2006.01]</i>
<i>F16H 61/664</i>	<i>2-Punkt Untergruppe</i>	<i>. . Friction gearings [2006.01]</i>
<i>F16H 61/68</i>	<i>1-Punkt Untergruppe</i>	<i>. . specially adapted for stepped gearings [2006.01]</i>
<i>F16H 61/682</i>	<i>2-Punkt Untergruppe</i>	<i>. . with interruption of drive [2006.01]</i>
<i>F16H 61/684</i>	<i>2-Punkt Untergruppe</i>	<i>. . without interruption of drive [2006.01]</i>
<i>F16H 61/686</i>	<i>3-Punkt Untergruppe</i>	<i>. . . with orbital gears [2006.01]</i>
<i>F16H 61/688</i>	<i>3-Punkt Untergruppe</i>	<i>. . . with two inputs, e.g. selection of one of two torque-flow paths by clutches [2006.01]</i>
<i>F16H 61/70</i>	<i>1-Punkt Untergruppe</i>	<i>. . specially adapted for change-speed gearing in group arrangement, i.e. with separate change-speed gear trains arranged in series, e.g. range or overdrive-type gearing arrangements [2006.01]</i>
F16H 63/00	Hauptgruppe	Control outputs to change-speed- or reversing-gearings for conveying rotary motion [5]
F16H 63/02	1-Punkt Untergruppe	. Final output mechanisms therefor; Actuating means for the final output mechanisms [5]
F16H 63/04	2-Punkt Untergruppe	. . a single final output mechanism being moved by a single final actuating mechanism [5]
F16H 63/06	3-Punkt Untergruppe	. . . the final output mechanism having an indefinite number of positions [5]
F16H 63/08	2-Punkt Untergruppe	. . Multiple final output mechanisms being moved by a single common final actuating mechanism [5]
F16H 63/10	3-Punkt Untergruppe	. . . the final actuating mechanism having a series of independent ways of movement, each way of movement being associated with only one final output mechanism [5]
F16H 63/12	4-Punkt Untergruppe	 two or more ways of movement occurring simultaneously [5]
F16H 63/14	3-Punkt Untergruppe	. . . the final output mechanisms being successively actuated by repeated movement of the final actuating mechanism [5]

Symbol	Typ	Titel
F16H 63/16	3-Punkt Untergruppe	. . . the final output mechanisms being successively actuated by progressive movement of the final actuating mechanism [5]
F16H 63/18	4-Punkt Untergruppe	 the final actuating mechanism comprising cams [5]
F16H 63/20	3-Punkt Untergruppe	. . . with preselection and subsequent movement of each final output mechanism by movement of the final actuating mechanism in two different ways, e.g. guided by a shift gate [5]
F16H 63/22	4-Punkt Untergruppe	 the final output mechanisms being simultaneously moved by the final actuating mechanism [5]
F16H 63/24	2-Punkt Untergruppe	. . each of the final output mechanisms being moved by only one of the various final actuating mechanisms [5]
F16H 63/26	3-Punkt Untergruppe	. . . some of the movements of the final output mechanisms being caused by another final output mechanism [5]
F16H 63/28	2-Punkt Untergruppe	. . two or more final actuating mechanisms moving the same final output mechanism [5]
F16H 63/30	2-Punkt Untergruppe	. . Constructional features of the final output mechanisms [5]
F16H 63/32	3-Punkt Untergruppe	. . . Gear shifter yokes [5]
F16H 63/34	3-Punkt Untergruppe	. . . Locking or disabling mechanisms [5]
F16H 63/36	4-Punkt Untergruppe	 Interlocking devices [5]
F16H 63/38	3-Punkt Untergruppe	. . . Detents [5]
F16H 63/40	1-Punkt Untergruppe	. comprising signals other than signals for actuating the final output mechanisms [5]
F16H 63/42	2-Punkt Untergruppe	. . Ratio indicator devices [5]
F16H 63/44	2-Punkt Untergruppe	. . Signals to the control unit of auxiliary gearing [5]
F16H 63/46	2-Punkt Untergruppe	. . Signals to a clutch outside the gearbox [5]
F16H 63/48	2-Punkt Untergruppe	. . Signals to a parking brake [5]
F16H 63/50	2-Punkt Untergruppe	. . Signals to an engine or motor [7]