

Symbol	Typ	Titel
H	Sektion	ELECTRICITY
H04	Klasse	ELECTRIC COMMUNICATION TECHNIQUE
H04B	Unterkategorie	TRANSMISSION [4]
H04B 1/00	Hauptgruppe	Details of transmission systems, not covered by a single one of groups H04B 3/00-H04B 13/00; Details of transmission systems not characterised by the medium used for transmission [1, 4, 2006.01]
H04B 1/02	1-Punkt Untergruppe	. Transmitters [1, 2006.01]
H04B 1/03	2-Punkt Untergruppe	.. Constructional details, e.g. casings, housings [2, 2006.01]
H04B 1/034	3-Punkt Untergruppe	... Portable transmitters [2, 2006.01]
H04B 1/036	3-Punkt Untergruppe	... Cooling arrangements [2, 2006.01]
H04B 1/04	2-Punkt Untergruppe	.. Circuits [1, 2006.01]
H04B 1/06	1-Punkt Untergruppe	. Receivers [1, 2006.01]
H04B 1/08	2-Punkt Untergruppe	.. Constructional details, e.g. cabinet [1, 2006.01]
H04B 1/10	2-Punkt Untergruppe	.. Means associated with receiver for limiting or suppressing noise or interference [1, 2006.01]
H04B 1/12	3-Punkt Untergruppe	... Neutralising, balancing, or compensation arrangements [1, 2006.01]
H04B 1/14	3-Punkt Untergruppe	... Automatic detuning arrangements [1, 2006.01]
H04B 1/16	2-Punkt Untergruppe	.. Circuits [1, 2006.01]
H04B 1/18	3-Punkt Untergruppe	... Input circuits, e.g. for coupling to an aerial or a transmission line (coupling networks between aerials or lines and receivers independent of the nature of the receiver H03H) [1, 2006.01]
H04B 1/20	3-Punkt Untergruppe	... for coupling gramophone pick-up, recorder output, or microphone to receiver [1, 2006.01]
H04B 1/22	3-Punkt Untergruppe	... for receivers in which no local oscillation is generated [1, 2006.01]
H04B 1/24	4-Punkt Untergruppe	.... the receiver comprising at least one semiconductor device having three or more electrodes [1, 2006.01]
H04B 1/26	3-Punkt Untergruppe	... for superheterodyne receivers (multiple frequency-changing H03D 7/16) [1, 2006.01]
H04B 1/28	4-Punkt Untergruppe	.... the receiver comprising at least one semiconductor device having three or more electrodes [1, 2006.01]
H04B 1/30	3-Punkt Untergruppe	... for homodyne or synchrodyne receivers (demodulator circuits H03D 1/22) [1, 2006.01]
H04B 1/38	1-Punkt Untergruppe	. Transceivers, i.e. devices in which transmitter and receiver form a structural unit and in which at least one part is used for functions of transmitting and receiving [1, 2006.01, 2015.01]
H04B 1/3805	2-Punkt Untergruppe	.. with built-in auxiliary receivers [2015.01]
H04B 1/3816	2-Punkt Untergruppe	.. Mechanical arrangements for accommodating identification devices, e.g. cards or chips; with connectors for programming identification devices [2015.01]
H04B 1/3818	3-Punkt Untergruppe	... Arrangements for facilitating insertion or removal of identification devices [2015.01]
H04B 1/3822	2-Punkt Untergruppe	.. specially adapted for use in vehicles (H04B 1/3827 takes precedence) [2015.01]
H04B 1/3827	2-Punkt Untergruppe	.. Portable transceivers [2015.01]
H04B 1/3877	3-Punkt Untergruppe	... Arrangements for enabling portable transceivers to be used in a fixed position, e.g. cradles or boosters [2015.01]

Symbol	Typ	Titel
H04B 1/3883	3-Punkt Untergruppe	... Arrangements for mounting batteries or battery chargers [2015.01]
H04B 1/3888	3-Punkt Untergruppe	... Arrangements for carrying or protecting transceivers [2015.01]
H04B 1/40	2-Punkt Untergruppe	... Circuits [1, 2006.01, 2015.01]
H04B 1/401	3-Punkt Untergruppe	... for selecting or indicating operating mode [2015.01]
H04B 1/403	3-Punkt Untergruppe	... using the same oscillator for generating both the transmitter frequency and the receiver local oscillator frequency [2015.01]
H04B 1/405	4-Punkt Untergruppe	.... with multiple discrete channels [2015.01]
H04B 1/408	4-Punkt Untergruppe	.... the transmitter oscillator frequency being identical to the receiver local oscillator frequency [2015.01]
H04B 1/44	3-Punkt Untergruppe	... Transmit/receive switching [1, 2, 2006.01]
H04B 1/46	4-Punkt Untergruppe	.... by voice-frequency signals; by pilot signals [1, 2006.01]
H04B 1/48	4-Punkt Untergruppe	.... in circuits for connecting transmitter and receiver to a common transmission path, e.g. by energy of transmitter [1, 2006.01]
H04B 1/50	3-Punkt Untergruppe	... using different frequencies for the two directions of communication [1, 2006.01]
H04B 1/52	4-Punkt Untergruppe	.... Hybrid arrangements, i.e. arrangements for transition from single-path two-direction transmission to single-direction transmission on each of two paths or <u>vice versa</u> [1, 2006.01, 2015.01]
H04B 1/525	5-Punkt Untergruppe	..... with means for reducing leakage of transmitter signal into the receiver [2015.01]
H04B 1/54	3-Punkt Untergruppe	... using the same frequency for two directions of communication (H04B 1/44 takes precedence) [1, 2006.01]
H04B 1/56	4-Punkt Untergruppe	.... with provision for simultaneous communication in two directions [1, 2006.01]
H04B 1/58	4-Punkt Untergruppe	.... Hybrid arrangements, i.e. arrangements for transition from single-path two-direction transmission to single-direction transmission on each of two paths or <u>vice versa</u> [1, 2006.01]
H04B 1/59	1-Punkt Untergruppe	. Responders; Transponders [1, 2006.01]
H04B 1/60	1-Punkt Untergruppe	. Supervising unattended repeaters [1, 2006.01]
H04B 1/62	1-Punkt Untergruppe	. for providing a predistortion of the signal in the transmitter and corresponding correction in the receiver, e.g. for improving the signal/noise ratio [1, 2006.01]
H04B 1/64	2-Punkt Untergruppe	.. Volume compression or expansion arrangements [1, 2006.01]
H04B 1/66	1-Punkt Untergruppe	. for reducing bandwidth of signals; for improving efficiency of transmission (H04B 1/68 takes precedence) [1, 2006.01]
H04B 1/68	1-Punkt Untergruppe	. for wholly or partially suppressing the carrier or one side band [1, 4, 2006.01]
H04B 1/69	1-Punkt Untergruppe	. Spread spectrum techniques [6, 2006.01, 2011.01]
H04B 1/692	2-Punkt Untergruppe	.. Hybrid techniques using combinations of two or more spread spectrum techniques [2011.01]
H04B 1/707	2-Punkt Untergruppe	.. using direct sequence modulation [6, 2006.01, 2011.01]
H04B 1/7073	3-Punkt Untergruppe	... Synchronisation aspects [2011.01]
H04B 1/7075	4-Punkt Untergruppe	.... with code phase acquisition [2011.01]
H04B 1/7077	5-Punkt Untergruppe	..... Multi-step acquisition, e.g. multi-dwell, coarse-fine or validation [2011.01]

Symbol	Typ	Titel
H04B 1/708	5-Punkt Untergruppe	..... Parallel implementation [2011.01]
H04B 1/7083	4-Punkt Untergruppe	..... Cell search, e.g. using a three-step approach [2011.01]
H04B 1/7085	4-Punkt Untergruppe	..... using a code tracking loop, e.g. a delay-locked loop [2011.01]
H04B 1/7087	4-Punkt Untergruppe	..... Carrier synchronisation aspects [2011.01]
H04B 1/709	3-Punkt Untergruppe	... Correlator structure [2011.01]
H04B 1/7093	4-Punkt Untergruppe	.... Matched filter type [2011.01]
H04B 1/7095	4-Punkt Untergruppe	.... Sliding correlator type [2011.01]
H04B 1/7097	3-Punkt Untergruppe	... Interference-related aspects [2011.01]
H04B 1/71	4-Punkt Untergruppe	.... the interference being narrowband interference [2011.01]
H04B 1/7103	4-Punkt Untergruppe	.... the interference being multiple access interference [2011.01]
H04B 1/7105	5-Punkt Untergruppe	..... Joint detection techniques, e.g. linear detectors [2011.01]
H04B 1/7107	5-Punkt Untergruppe	..... Subtractive interference cancellation [2011.01]
H04B 1/711	4-Punkt Untergruppe	.... the interference being multi-path interference [2011.01]
H04B 1/7113	5-Punkt Untergruppe	..... Determination of path profile [2011.01]
H04B 1/7115	5-Punkt Untergruppe	..... Constructive combining of multi-path signals, i.e. RAKE receivers [2011.01]
H04B 1/7117	6-Punkt Untergruppe	..... Selection, re-selection, allocation or re-allocation of paths to fingers, e.g. timing offset control of allocated fingers [2011.01]
H04B 1/712	6-Punkt Untergruppe	..... Weighting of fingers for combining, e.g. amplitude control or phase rotation using an inner loop [2011.01]
H04B 1/713	2-Punkt Untergruppe	... using frequency hopping [6, 2006.01, 2011.01]
H04B 1/7136	3-Punkt Untergruppe	... Arrangements for generation of hop frequencies, e.g. using a bank of frequency sources, using continuous tuning or using a transform [2011.01]
H04B 1/7143	3-Punkt Untergruppe	... Arrangements for generation of hop patterns [2011.01]
H04B 1/715	3-Punkt Untergruppe	... Interference-related aspects [2011.01]
H04B 1/7156	3-Punkt Untergruppe	... Arrangements for sequence synchronisation [2011.01]
H04B 1/7163	2-Punkt Untergruppe	... using impulse radio [2011.01]
H04B 1/717	3-Punkt Untergruppe	... Pulse-related aspects [2011.01]
H04B 1/7176	3-Punkt Untergruppe	... Data mapping, e.g. modulation [2011.01]
H04B 1/7183	3-Punkt Untergruppe	... Synchronisation [2011.01]
H04B 1/719	3-Punkt Untergruppe	... Interference-related aspects [2011.01]
H04B 1/72	1-Punkt Untergruppe	. Circuits or components for simulating aerials, e.g. dummy aerials [1, 2006.01]
H04B 1/74	1-Punkt Untergruppe	. for increasing reliability, e.g. using redundant or spare channels or apparatus [3, 2006.01]
H04B 1/76	1-Punkt Untergruppe	. Pilot transmitters or receivers for control of transmission or for equalising [3, 2006.01]
H04B 3/00	Hauptgruppe	Line transmission systems (combined with near-field transmission systems H04B 5/00) [1,

Symbol	Typ	Titel
2006.01]		
H04B 3/02	1-Punkt Untergruppe	. Details [1, 2006.01]
H04B 3/03	2-Punkt Untergruppe	.. Hybrid circuits (for transceivers H04B 1/52, H04B 1/58) [3, 2006.01]
H04B 3/04	2-Punkt Untergruppe	... Control of transmission; Equalising [1, 2006.01]
H04B 3/06	3-Punkt Untergruppe	... by the transmitted signal [1, 2006.01]
H04B 3/08	4-Punkt Untergruppe	.... in negative-feedback path of line amplifier [1, 2006.01]
H04B 3/10	3-Punkt Untergruppe	... by pilot signal [1, 2006.01]
H04B 3/11	4-Punkt Untergruppe	.... using pilot wire (H04B 3/12 takes precedence) [3, 2006.01]
H04B 3/12	4-Punkt Untergruppe	.... in negative-feedback path of line amplifier [1, 2006.01]
H04B 3/14	3-Punkt Untergruppe	... characterised by the equalising network used [1, 2006.01]
H04B 3/16	3-Punkt Untergruppe	... characterised by the negative-impedance network used [1, 2006.01]
H04B 3/18	4-Punkt Untergruppe	.... wherein the network comprises semiconductor devices [1, 2006.01]
H04B 3/20	2-Punkt Untergruppe	.. Reducing echo effects or singing; Opening or closing transmitting path; Conditioning for transmission in one direction or the other [1, 2006.01]
H04B 3/21	3-Punkt Untergruppe	... using a set of bandfilters [3, 2006.01]
H04B 3/23	3-Punkt Untergruppe	... using a replica of transmitted signal in the time domain, e.g. echo cancellers [3, 2006.01]
H04B 3/26	2-Punkt Untergruppe	.. Improving frequency characteristic by the use of loading coils [1, 2006.01]
H04B 3/28	2-Punkt Untergruppe	.. Reducing interference caused by currents induced in cable sheathing or armouring [1, 2006.01]
H04B 3/30	2-Punkt Untergruppe	.. Reducing interference caused by unbalance current in a normally balanced line [1, 2006.01]
H04B 3/32	2-Punkt Untergruppe	.. Reducing cross-talk, e.g. by compensating [1, 2006.01]
H04B 3/34	3-Punkt Untergruppe	... by systematic interconnection of lengths of cable during laying; by addition of balancing components to cable during laying [1, 2006.01]
H04B 3/36	2-Punkt Untergruppe	.. Repeater circuits (H04B 3/58 takes precedence) [1, 2006.01]
H04B 3/38	3-Punkt Untergruppe	... for signals in two different frequency ranges transmitted in opposite directions over the same transmission path [1, 2006.01]
H04B 3/40	2-Punkt Untergruppe	.. Artificial lines; Networks simulating a line of certain length [1, 2006.01]
H04B 3/42	2-Punkt Untergruppe	.. Circuits for bypassing of ringing signals [1, 2006.01]
H04B 3/44	2-Punkt Untergruppe	.. Arrangements for feeding power to a repeater along the transmission line [1, 2006.01]
H04B 3/46	2-Punkt Untergruppe	.. Monitoring; Testing [1, 2006.01, 2015.01]
H04B 3/462	3-Punkt Untergruppe	... Testing group delay or phase shift, e.g. timing jitter [2015.01]
H04B 3/466	4-Punkt Untergruppe	.... Testing attenuation in combination with at least one of group delay and phase shift [2015.01]
H04B 3/48	3-Punkt Untergruppe	... Testing attenuation (H04B 3/466 takes precedence) [1, 2006.01, 2015.01]
H04B 3/487	3-Punkt Untergruppe	... Testing crosstalk effects [2015.01]
H04B 3/493	3-Punkt Untergruppe	... Testing echo effects or singing [2015.01]

Symbol	Typ	Titel
H04B 3/50	1-Punkt Untergruppe	. Systems for transmission between fixed stations <u>via</u> two-conductor transmission lines (H04B 3/54 takes precedence) [1, 2006.01]
H04B 3/52	1-Punkt Untergruppe	. Systems for transmission between fixed stations <u>via</u> waveguides [1, 2006.01]
H04B 3/54	1-Punkt Untergruppe	. Systems for transmission <u>via</u> power distribution lines (in alarm signalling systems G08B 25/06) [1, 2006.01]
H04B 3/56	2-Punkt Untergruppe	.. Circuits for coupling, blocking, or by-passing of signals [1, 2006.01]
H04B 3/58	2-Punkt Untergruppe	.. Repeater circuits [1, 2006.01]
H04B 3/60	1-Punkt Untergruppe	. Systems for communication between relatively movable stations, e.g. for communication with lift (H04B 3/54 takes precedence) [1, 2006.01]
H04B 5/00	Hauptgruppe	Near-field transmission systems, e.g. inductive loop type [1, 2006.01]
H04B 5/02	1-Punkt Untergruppe	. using transceiver [1, 2006.01]
H04B 5/04	1-Punkt Untergruppe	. Calling systems, e.g. paging system [1, 2006.01]
H04B 5/06	1-Punkt Untergruppe	. using a portable transmitter associated with a microphone [1, 2006.01]
H04B 7/00	Hauptgruppe	Radio transmission systems, i.e. using radiation field (H04B 10/00, H04B 15/00 take precedence) [1, 2006.01]
H04B 7/005	1-Punkt Untergruppe	. Control of transmission; Equalising [3, 2006.01]
H04B 7/01	1-Punkt Untergruppe	. Reducing phase shift [3, 2006.01]
H04B 7/015	1-Punkt Untergruppe	. Reducing echo effects [3, 2006.01]
H04B 7/02	1-Punkt Untergruppe	. Diversity systems ; Multi-antenna systems, i.e. transmission or reception using multiple antennas [1, 2006.01, 2017.01]
H04B 7/022	2-Punkt Untergruppe	.. Site diversity ; Macro-diversity (using two or more spaced independent antennas H04B 7/04) [2017.01]
H04B 7/024	3-Punkt Untergruppe	... Co-operative use of antennas at several sites, e.g. in co-ordinated multipoint or co-operative multiple-input multiple-output [MIMO] systems [2017.01]
H04B 7/026	3-Punkt Untergruppe	... Co-operative diversity, e.g. using fixed or mobile stations as relays [2017.01]
H04B 7/04	2-Punkt Untergruppe	... using two or more spaced independent antennas [1, 2006.01, 2017.01]
H04B 7/0404	3-Punkt Untergruppe	... the mobile station comprising multiple antennas, e.g. to provide uplink diversity [2017.01]
H04B 7/0408	3-Punkt Untergruppe	... using two or more beams, i.e. beam diversity [2017.01]
H04B 7/0413	3-Punkt Untergruppe	... MIMO systems [2017.01]
H04B 7/0417	4-Punkt Untergruppe	.... Feedback systems [2017.01]
H04B 7/0426	4-Punkt Untergruppe	.... Power distribution [2017.01]
H04B 7/0452	4-Punkt Untergruppe	.... Multi-user MIMO systems [2017.01]
H04B 7/0456	4-Punkt Untergruppe	.... Selection of precoding matrices or codebooks, e.g. using matrices for antenna weighting [2017.01]
H04B 7/0491	3-Punkt Untergruppe	... using two or more sectors, i.e. sector diversity [2017.01]
H04B 7/0495	4-Punkt Untergruppe	.... using overlapping sectors in the same base station to implement MIMO antennas [2017.01]
H04B 7/06	3-Punkt Untergruppe	... at the transmitting station [1, 2006.01]

Symbol	Typ	Titel
H04B 7/08	3-Punkt Untergruppe	... at the receiving station [1, 2006.01]
H04B 7/10	2-Punkt Untergruppe	... Polarisation diversity; Directional diversity [1, 2006.01]
H04B 7/12	2-Punkt Untergruppe	... Frequency diversity [1, 2006.01]
H04B 7/14	1-Punkt Untergruppe	. Relay systems [1, 2, 2006.01]
H04B 7/145	2-Punkt Untergruppe	... Passive relay systems [2, 2006.01]
H04B 7/15	2-Punkt Untergruppe	... Active relay systems [2, 2006.01]
H04B 7/155	3-Punkt Untergruppe	... Ground-based stations (H04B 7/204 takes precedence) [2, 5, 2006.01]
H04B 7/165	4-Punkt Untergruppe	.... employing angle modulation [2, 2006.01]
H04B 7/17	4-Punkt Untergruppe	.... employing pulse modulation, e.g. pulse code modulation [2, 2006.01]
H04B 7/185	3-Punkt Untergruppe	... Space-based or airborne stations (H04B 7/204 takes precedence) [2, 5, 2006.01]
H04B 7/19	4-Punkt Untergruppe	.... Earth-synchronous stations [2, 2006.01]
H04B 7/195	4-Punkt Untergruppe	.... Non-synchronous stations [2, 2006.01]
H04B 7/204	3-Punkt Untergruppe	... Multiple access [5, 2006.01]
H04B 7/208	4-Punkt Untergruppe	.... Frequency-division multiple access [5, 2006.01]
H04B 7/212	4-Punkt Untergruppe	.... Time-division multiple access [5, 2006.01]
H04B 7/216	4-Punkt Untergruppe	.... Code-division or spread-spectrum multiple access [5, 2006.01]
H04B 7/22	1-Punkt Untergruppe	. Scatter propagation systems [1, 2006.01]
H04B 7/24	1-Punkt Untergruppe	. for communication between two or more posts (wireless communication networks H04W) [2, 2006.01]
H04B 7/26	2-Punkt Untergruppe	... at least one of which is mobile [2, 2006.01]
H04B 10/00	Hauptgruppe	Transmission systems employing electromagnetic waves other than radio-waves, e.g. infrared, visible or ultraviolet light, or employing corpuscular radiation, e.g. quantum communication [5, 2006.01, 2013.01]
H04B 10/03	1-Punkt Untergruppe	. Arrangements for fault recovery [2013.01]
H04B 10/032	2-Punkt Untergruppe	... using working and protection systems [2013.01]
H04B 10/035	2-Punkt Untergruppe	... using loopbacks [2013.01]
H04B 10/038	2-Punkt Untergruppe	... using bypasses [2013.01]
H04B 10/07	1-Punkt Untergruppe	. Arrangements for monitoring or testing transmission systems; Arrangements for fault measurement of transmission systems [2013.01]
H04B 10/071	2-Punkt Untergruppe	... using a reflected signal, e.g. using optical time-domain reflectometers [OTDRs] [2013.01]
H04B 10/073	2-Punkt Untergruppe	... using an out-of-service signal (H04B 10/071 takes precedence) [2013.01]
H04B 10/075	2-Punkt Untergruppe	... using an in-service signal (H04B 10/071 takes precedence) [2013.01]
H04B 10/077	3-Punkt Untergruppe	... using a supervisory or additional signal [2013.01]
H04B 10/079	3-Punkt Untergruppe	... using measurements of the data signal [2013.01]
H04B 10/11	1-Punkt Untergruppe	. Arrangements specific to free-space transmission, i.e. transmission through air or vacuum [2013.01]

Symbol	Typ	Titel
H04B 10/112	2-Punkt Untergruppe	... Line-of-sight transmission over an extended range [2013.01]
H04B 10/114	2-Punkt Untergruppe	... Indoor or close-range type systems [2013.01]
H04B 10/116	3-Punkt Untergruppe	... Visible light communication [2013.01]
H04B 10/118	2-Punkt Untergruppe	... specially adapted for satellite communication [2013.01]
H04B 10/25	1-Punkt Untergruppe	. Arrangements specific to fibre transmission [2013.01]
H04B 10/2507	2-Punkt Untergruppe	... for the reduction or elimination of distortion or dispersion [2013.01]
H04B 10/2513	3-Punkt Untergruppe	... due to chromatic dispersion [2013.01]
H04B 10/2519	4-Punkt Untergruppe	.... using Bragg gratings [2013.01]
H04B 10/2525	4-Punkt Untergruppe	.... using dispersion-compensating fibres [2013.01]
H04B 10/2531	4-Punkt Untergruppe	.... using spectral inversion [2013.01]
H04B 10/2537	3-Punkt Untergruppe	... due to scattering processes, e.g. Raman or Brillouin scattering [2013.01]
H04B 10/2543	3-Punkt Untergruppe	... due to fibre non-linearities, e.g. Kerr effect [2013.01]
H04B 10/255	4-Punkt Untergruppe	.... Self-phase modulation [SPM] [2013.01]
H04B 10/2557	4-Punkt Untergruppe	.... Cross-phase modulation [XPM] [2013.01]
H04B 10/2563	4-Punkt Untergruppe	.... Four-wave mixing [FWM] [2013.01]
H04B 10/2569	3-Punkt Untergruppe	... due to polarisation mode dispersion [PMD] [2013.01]
H04B 10/2575	2-Punkt Untergruppe	... Radio-over-fibre, e.g. radio frequency signal modulated onto an optical carrier [2013.01]
H04B 10/2581	2-Punkt Untergruppe	... Multimode transmission [2013.01]
H04B 10/2587	2-Punkt Untergruppe	... using a single light source for multiple stations [2013.01]
H04B 10/27	1-Punkt Untergruppe	. Arrangements for networking [2013.01]
H04B 10/272	2-Punkt Untergruppe	... Star-type networks [2013.01]
H04B 10/275	2-Punkt Untergruppe	... Ring-type networks [2013.01]
H04B 10/278	2-Punkt Untergruppe	... Bus-type networks [2013.01]
H04B 10/29	1-Punkt Untergruppe	. Repeaters [2013.01]
H04B 10/291	2-Punkt Untergruppe	... in which processing or amplification is carried out without conversion of the main signal from optical form [2013.01]
H04B 10/293	3-Punkt Untergruppe	... Signal power control [2013.01]
H04B 10/294	4-Punkt Untergruppe	.... in a multiwavelength system, e.g. gain equalisation [2013.01]
H04B 10/296	5-Punkt Untergruppe	..... Transient power control, e.g. due to channel add/drop or rapid fluctuations in the input power [2013.01]
H04B 10/297	3-Punkt Untergruppe	... Bidirectional amplification [2013.01]
H04B 10/299	3-Punkt Untergruppe	... Signal waveform processing, e.g. reshaping or retiming [2013.01]
H04B 10/40	1-Punkt Untergruppe	. Transceivers [2013.01]

Symbol	Typ	Titel
H04B 10/43	2-Punkt Untergruppe	... using a single component as both light source and receiver, e.g. using a photoemitter as a photoreceiver [2013.01]
H04B 10/50	1-Punkt Untergruppe	. Transmitters [2013.01]
H04B 10/508	2-Punkt Untergruppe	... Pulse generation, e.g. generation of solitons [2013.01]
H04B 10/516	2-Punkt Untergruppe	... Details of coding or modulation [2013.01]
H04B 10/524	3-Punkt Untergruppe	... Pulse modulation [2013.01]
H04B 10/532	3-Punkt Untergruppe	... Polarisation modulation [2013.01]
H04B 10/54	3-Punkt Untergruppe	... Intensity modulation [2013.01]
H04B 10/548	3-Punkt Untergruppe	... Phase or frequency modulation [2013.01]
H04B 10/556	4-Punkt Untergruppe	.... Digital modulation, e.g. differential phase shift keying [DPSK] or frequency shift keying [FSK] [2013.01]
H04B 10/564	2-Punkt Untergruppe	... Power control [2013.01]
H04B 10/572	2-Punkt Untergruppe	... Wavelength control [2013.01]
H04B 10/58	2-Punkt Untergruppe	... Compensation for non-linear transmitter output [2013.01]
H04B 10/588	3-Punkt Untergruppe	... in external modulation systems [2013.01]
H04B 10/60	1-Punkt Untergruppe	. Receivers [2013.01]
H04B 10/61	2-Punkt Untergruppe	... Coherent receivers [2013.01]
H04B 10/63	3-Punkt Untergruppe	... Homodyne [2013.01]
H04B 10/64	3-Punkt Untergruppe	... Heterodyne [2013.01]
H04B 10/66	2-Punkt Untergruppe	... Non-coherent receivers, e.g. using direct detection [2013.01]
H04B 10/67	3-Punkt Untergruppe	... Optical arrangements in the receiver [2013.01]
H04B 10/69	3-Punkt Untergruppe	... Electrical arrangements in the receiver [2013.01]
H04B 10/70	1-Punkt Untergruppe	. Photonic quantum communication [2013.01]
H04B 10/80	1-Punkt Untergruppe	. Optical aspects relating to the use of optical transmission for specific applications, not provided for in groups H04B 10/03-H04B 10/70, e.g. optical power feeding or optical transmission through water [2013.01]
H04B 10/85	2-Punkt Untergruppe	... Protection from unauthorised access, e.g. eavesdrop protection [2013.01]
H04B 10/90	1-Punkt Untergruppe	. Non-optical transmission systems, e.g. transmission systems employing non-photonic corpuscular radiation [2013.01]
H04B 11/00	Hauptgruppe	Transmission systems employing ultrasonic, sonic or infrasonic waves [1, 2006.01]
H04B 13/00	Hauptgruppe	Transmission systems characterised by the medium used for transmission, not provided for in groups H04B 3/00-H04B 11/00 [1, 2006.01]
H04B 13/02	1-Punkt Untergruppe	. Transmission systems in which the medium consists of the earth or a large mass of water thereon, e.g. earth telegraphy [1, 2006.01]
H04B 14/00	Hauptgruppe	Transmission systems not characterised by the medium used for transmission (details thereof H04B 1/00) [4, 2006.01]
H04B 14/02	1-Punkt Untergruppe	. characterised by the use of pulse modulation (in radio transmission relays H04B 7/17) [4, 2006.01]
H04B 14/04	2-Punkt Untergruppe	... using pulse code modulation [4, 2006.01]

Symbol	Typ	Titel
H04B 14/06	2-Punkt Untergruppe	... using differential modulation, e.g. delta modulation [4, 2006.01]
H04B 14/08	1-Punkt Untergruppe	. characterised by the use of a sub-carrier [4, 2006.01]
H04B 15/00	Hauptgruppe	Suppression or limitation of noise or interference (by means associated with receiver H04B 1/10) [1, 2006.01]
H04B 15/02	1-Punkt Untergruppe	. Reducing interference from electric apparatus by means located at or near the interfering apparatus [1, 2006.01]
H04B 15/04	2-Punkt Untergruppe	... the interference being caused by substantially sinusoidal oscillations, e.g. in a receiver or in a tape-recorder [1, 2006.01]
H04B 15/06	3-Punkt Untergruppe	... by local oscillators of receivers [1, 2006.01]
H04B 17/00	Hauptgruppe	Monitoring; Testing (of line transmission systems H04B 3/46; arrangements for monitoring or testing transmission systems employing electromagnetic waves other than radio waves H04B 10/07) [2, 2006.01, 2015.01]
H04B 17/10	1-Punkt Untergruppe	. of transmitters [2015.01]
H04B 17/11	2-Punkt Untergruppe	... for calibration [2015.01]
H04B 17/12	3-Punkt Untergruppe	... of transmit antennas, e.g. of amplitude or phase [2015.01]
H04B 17/13	3-Punkt Untergruppe	... of power amplifiers, e.g. of gain or non-linearity [2015.01]
H04B 17/14	3-Punkt Untergruppe	... of the whole transmission and reception path, e.g. self-test loop-back [2015.01]
H04B 17/15	2-Punkt Untergruppe	... Performance testing [2015.01]
H04B 17/16	3-Punkt Untergruppe	... Test equipment located at the transmitter [2015.01]
H04B 17/17	3-Punkt Untergruppe	... Detection of non-compliance or faulty performance, e.g. response deviations (H04B 17/18 takes precedence) [2015.01]
H04B 17/18	3-Punkt Untergruppe	... Monitoring during normal operation [2015.01]
H04B 17/19	3-Punkt Untergruppe	... Self-testing arrangements [2015.01]
H04B 17/20	1-Punkt Untergruppe	. of receivers [2015.01]
H04B 17/21	2-Punkt Untergruppe	... for calibration; for correcting measurements [2015.01]
H04B 17/23	2-Punkt Untergruppe	... Indication means, e.g. displays, alarms or audible means [2015.01]
H04B 17/24	2-Punkt Untergruppe	... with feedback of measurements to the transmitter [2015.01]
H04B 17/26	2-Punkt Untergruppe	... using historical data, averaging values or statistics [2015.01]
H04B 17/27	2-Punkt Untergruppe	... for locating or positioning the transmitter [2015.01]
H04B 17/29	2-Punkt Untergruppe	... Performance testing [2015.01]
H04B 17/30	1-Punkt Untergruppe	. of propagation channels [2015.01]
H04B 17/309	2-Punkt Untergruppe	... Measuring or estimating channel quality parameters [2015.01]
H04B 17/318	3-Punkt Untergruppe	... Received signal strength [2015.01]
H04B 17/327	4-Punkt Untergruppe	.... Received signal code power [RSCP] [2015.01]
H04B 17/336	3-Punkt Untergruppe	... Signal-to-interference ratio [SIR] or carrier-to-interference ratio [CIR] [2015.01]
H04B 17/345	3-Punkt Untergruppe	... Interference values (H04B 17/336 takes precedence) [2015.01]

Symbol	Typ	Titel
H04B 17/354	3-Punkt Untergruppe	... Adjacent channel leakage power [2015.01]
H04B 17/364	3-Punkt Untergruppe	... Delay profiles [2015.01]
H04B 17/373	2-Punkt Untergruppe	... Predicting channel quality parameters [2015.01]
H04B 17/382	2-Punkt Untergruppe	... for resource allocation, admission control or handover [2015.01]
H04B 17/391	2-Punkt Untergruppe	... Modelling the propagation channel [2015.01]
H04B 17/40	1-Punkt Untergruppe	. of relay systems [2015.01]