

| Symbol           | Typ                 | Titel                                                                                                                                                                                                                                                                              |
|------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>H</b>         | <b>Sektion</b>      | <b>ELECTRICITY</b>                                                                                                                                                                                                                                                                 |
| <b>H04</b>       | <b>Klasse</b>       | <b>ELECTRIC COMMUNICATION TECHNIQUE</b>                                                                                                                                                                                                                                            |
| <b>H04J</b>      | <b>Unterklasse</b>  | <b>MULTIPLEX COMMUNICATION (transmission in general H04B; peculiar to transmission of digital information H04L 5/00; systems for the simultaneous or sequential transmission of more than one television signal H04N 7/08; in exchanges H04Q 11/00; stereophonic systems H04S)</b> |
| <b>H04J 1/00</b> | <b>Hauptgruppe</b>  | <b>Frequency-division multiplex systems (H04J 14/00 takes precedence) [5]</b>                                                                                                                                                                                                      |
| H04J 1/02        | 1-Punkt Untergruppe | . Details                                                                                                                                                                                                                                                                          |
| H04J 1/04        | 2-Punkt Untergruppe | . . Frequency-transposition arrangements                                                                                                                                                                                                                                           |
| H04J 1/05        | 3-Punkt Untergruppe | . . . using digital techniques [3]                                                                                                                                                                                                                                                 |
| H04J 1/06        | 2-Punkt Untergruppe | . . Arrangements for supplying the carrier waves                                                                                                                                                                                                                                   |
| H04J 1/08        | 2-Punkt Untergruppe | . . Arrangements for combining channels                                                                                                                                                                                                                                            |
| H04J 1/10        | 2-Punkt Untergruppe | . . Intermediate station arrangements, e.g. for branching, for tapping-off                                                                                                                                                                                                         |
| H04J 1/12        | 2-Punkt Untergruppe | . . Arrangements for reducing cross-talk between channels                                                                                                                                                                                                                          |
| H04J 1/14        | 2-Punkt Untergruppe | . . Arrangements providing for calling or supervisory signals                                                                                                                                                                                                                      |
| H04J 1/16        | 2-Punkt Untergruppe | . . Monitoring arrangements                                                                                                                                                                                                                                                        |
| H04J 1/18        | 1-Punkt Untergruppe | . in which all the carriers are amplitude-modulated (H04J 1/02 takes precedence) [3]                                                                                                                                                                                               |
| H04J 1/20        | 1-Punkt Untergruppe | . in which at least one carrier is angle-modulated (H04J 1/02 takes precedence) [3]                                                                                                                                                                                                |
| <b>H04J 3/00</b> | <b>Hauptgruppe</b>  | <b>Time-division multiplex systems (H04J 14/00 takes precedence; relay systems H04B 7/14; selecting techniques H04Q) [4, 5]</b>                                                                                                                                                    |
| H04J 3/02        | 1-Punkt Untergruppe | . Details (electronic switching or gating H03K 17/00)                                                                                                                                                                                                                              |
| H04J 3/04        | 2-Punkt Untergruppe | . . Distributors combined with modulators or demodulators                                                                                                                                                                                                                          |
| H04J 3/06        | 2-Punkt Untergruppe | . . Synchronising arrangements                                                                                                                                                                                                                                                     |
| H04J 3/07        | 3-Punkt Untergruppe | . . . using pulse stuffing for systems with different or fluctuating information rates [3]                                                                                                                                                                                         |
| H04J 3/08        | 2-Punkt Untergruppe | . . Intermediate station arrangements, e.g. for branching, for tapping-off                                                                                                                                                                                                         |
| H04J 3/10        | 2-Punkt Untergruppe | . . Arrangements for reducing cross-talk between channels                                                                                                                                                                                                                          |
| H04J 3/12        | 2-Punkt Untergruppe | . . Arrangements providing for calling or supervisory signals                                                                                                                                                                                                                      |
| H04J 3/14        | 2-Punkt Untergruppe | . . Monitoring arrangements                                                                                                                                                                                                                                                        |
| H04J 3/16        | 1-Punkt Untergruppe | . in which the time allocation to individual channels within a transmission cycle is variable, e.g. to accommodate varying complexity of signals, to vary number of channels transmitted (H04J 3/17 , H04J 3/24 take precedence) [4]                                               |
| H04J 3/17        | 1-Punkt Untergruppe | . in which the transmission channel allotted to a first user may be taken away and re-allotted to a second user if the first user becomes inactive, e.g. TASI [4]                                                                                                                  |
| H04J 3/18        | 1-Punkt Untergruppe | . using frequency compression and subsequent expansion of the individual signals                                                                                                                                                                                                   |
| H04J 3/20        | 1-Punkt Untergruppe | . using resonant transfer [2]                                                                                                                                                                                                                                                      |
| H04J 3/22        | 1-Punkt Untergruppe | . in which the sources have different rates or codes [4]                                                                                                                                                                                                                           |

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| H04J 3/24         | 1-Punkt Untergruppe | . in which the allocation is indicated by an address (H04J 3/17 takes precedence; in computers G06F 12/00 , G06F 13/00) [4]              |
| H04J 3/26         | 2-Punkt Untergruppe | . . in which the information and the address are simultaneously transmitted [4]                                                          |
| <b>H04J 4/00</b>  | <b>Hauptgruppe</b>  | <b>Combined time-division and frequency-division multiplex systems (H04J 13/00 takes precedence) [2]</b>                                 |
| <b>H04J 7/00</b>  | <b>Hauptgruppe</b>  | <b>Multiplex systems in which the amplitudes or durations of the signals in individual channels are characteristic of those channels</b> |
| H04J 7/02         | 1-Punkt Untergruppe | . in which the polarity of the amplitude is characteristic                                                                               |
| <b>H04J 9/00</b>  | <b>Hauptgruppe</b>  | <b>Multiplex systems in which each channel is represented by a different type of modulation of the carrier</b>                           |
| <b>H04J 11/00</b> | <b>Hauptgruppe</b>  | <b>Orthogonal multiplex systems (H04J 13/00 takes precedence) [2]</b>                                                                    |
| <b>H04J 13/00</b> | <b>Hauptgruppe</b>  | <b>Code multiplex systems [2]</b>                                                                                                        |
| H04J 13/02        | 1-Punkt Untergruppe | . using spread spectrum techniques [6]                                                                                                   |
| H04J 13/04        | 2-Punkt Untergruppe | . . using direct sequence modulation [6]                                                                                                 |
| H04J 13/06        | 2-Punkt Untergruppe | . . using frequency hopping [6]                                                                                                          |
| <b>H04J 14/00</b> | <b>Hauptgruppe</b>  | <b>Optical multiplex systems (optical coupling, mixing or splitting, per se G02B) [5]</b>                                                |
| H04J 14/02        | 1-Punkt Untergruppe | . Wavelength-division multiplex systems [5]                                                                                              |
| H04J 14/04        | 1-Punkt Untergruppe | . Mode multiplex systems [5]                                                                                                             |
| H04J 14/06        | 1-Punkt Untergruppe | . Polarisation multiplex systems [5]                                                                                                     |
| H04J 14/08        | 1-Punkt Untergruppe | . Time-division multiplex systems [5]                                                                                                    |
| <b>H04J 15/00</b> | <b>Hauptgruppe</b>  | <b>Multiplex systems not otherwise provided for [2]</b>                                                                                  |