

| Symbol           | Typ                 | Titel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>H</b>         | <b>Sektion</b>      | <b>ELECTRICITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>H03</b>       | <b>Klasse</b>       | <b>BASIC ELECTRONIC CIRCUITRY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>H03D</b>      | <b>Unterklasse</b>  | <b>DEMODULATION OR TRANSFERENCE OF MODULATION FROM ONE CARRIER TO ANOTHER (masers, lasers H01S; circuits capable of acting both as modulator and demodulator H03C; details applicable to both modulators and frequency-changers H03C; demodulating pulses H03K 9/00; transforming types of pulse modulation H03K 11/00; coding, decoding or code conversion, in general H03M; repeater stations H04B 7/14; demodulators adapted for digitally modulated-carrier systems H04L 27/00; synchronous demodulators adapted for colour television H04N 9/66)</b> |
| <b>H03D 1/00</b> | <b>Hauptgruppe</b>  | <b>Demodulation of amplitude-modulated oscillations (H03D 5/00 , H03D 9/00 , H03D 11/00 take precedence)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| H03D 1/02        | 1-Punkt Untergruppe | . Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| H03D 1/04        | 2-Punkt Untergruppe | . . Modifications of demodulators to reduce interference by undesired signals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| H03D 1/06        | 2-Punkt Untergruppe | . . Modifications of demodulators to reduce distortion, e.g. by negative feedback                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| H03D 1/08        | 1-Punkt Untergruppe | . by means of non-linear two-pole elements (H03D 1/22 , H03D 1/26 , H03D 1/28 take precedence)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| H03D 1/10        | 2-Punkt Untergruppe | . . of diodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| H03D 1/12        | 3-Punkt Untergruppe | . . . with provision for equalising ac and dc loads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| H03D 1/14        | 1-Punkt Untergruppe | . by means of non-linear elements having more than two poles (H03D 1/22 , H03D 1/26 , H03D 1/28 take precedence)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| H03D 1/16        | 2-Punkt Untergruppe | . . of discharge tubes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| H03D 1/18        | 2-Punkt Untergruppe | . . of semiconductor devices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| H03D 1/20        | 2-Punkt Untergruppe | . . with provision for preventing undesired type of demodulation, e.g. preventing anode detection in a grid detection circuit                                                                                                                                                                                                                                                                                                                                                                                                                             |
| H03D 1/22        | 1-Punkt Untergruppe | . Homodyne or synchrodyne circuits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| H03D 1/24        | 2-Punkt Untergruppe | . . for demodulation of signals wherein one sideband or the carrier has been wholly or partially suppressed                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| H03D 1/26        | 1-Punkt Untergruppe | . by means of transit-time tubes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| H03D 1/28        | 1-Punkt Untergruppe | . by deflecting an electron beam in a discharge tube (H03D 1/26 takes precedence)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>H03D 3/00</b> | <b>Hauptgruppe</b>  | <b>Demodulation of angle-modulated oscillations (H03D 5/00 , H03D 9/00 , H03D 11/00 take precedence)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| H03D 3/02        | 1-Punkt Untergruppe | . by detecting phase difference between two signals obtained from input signal (H03D 3/28 to H03D 3/32 take precedence; limiting arrangements H03G 11/00)                                                                                                                                                                                                                                                                                                                                                                                                 |
| H03D 3/04        | 2-Punkt Untergruppe | . . by counting or integrating cycles of oscillations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| H03D 3/06        | 2-Punkt Untergruppe | . . by combining signals additively or in product demodulators                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| H03D 3/08        | 3-Punkt Untergruppe | . . . by means of diodes, e.g. Foster-Seeley discriminator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| H03D 3/10        | 4-Punkt Untergruppe | . . . . in which the diodes are simultaneously conducting during the same half period of the signal, e.g. ratio detector                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| H03D 3/12        | 3-Punkt Untergruppe | . . . by means of discharge tubes having more than two electrodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| H03D 3/14        | 3-Punkt Untergruppe | . . . by means of semiconductor devices having more than two electrodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Symbol            | Typ                 | Titel                                                                                                                                                                                                                              |
|-------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H03D 3/16         | 3-Punkt Untergruppe | . . . by means of electromechanical resonators                                                                                                                                                                                     |
| H03D 3/18         | 2-Punkt Untergruppe | . . by means of synchronous gating arrangements                                                                                                                                                                                    |
| H03D 3/20         | 3-Punkt Untergruppe | . . . producing pulses whose amplitude or duration depends on the phase difference                                                                                                                                                 |
| H03D 3/22         | 2-Punkt Untergruppe | . . by means of active elements with more than two electrodes to which two signals are applied derived from the signal to be demodulated and having a phase difference related to the frequency deviation, e.g. phase detector     |
| H03D 3/24         | 2-Punkt Untergruppe | . . Modifications of demodulators to reject or remove amplitude variations by means of locked-in oscillator circuits                                                                                                               |
| H03D 3/26         | 1-Punkt Untergruppe | . by means of sloping amplitude/frequency characteristic of tuned or reactive circuit (H03D 3/28 to H03D 3/32 take precedence)                                                                                                     |
| H03D 3/28         | 1-Punkt Untergruppe | . Modifications of demodulators to reduce effect of temperature variations (automatic frequency control H03L)                                                                                                                      |
| H03D 3/30         | 1-Punkt Untergruppe | . by means of transit-time tubes                                                                                                                                                                                                   |
| H03D 3/32         | 1-Punkt Untergruppe | . by deflecting an electron beam in a discharge tube (H03D 3/30 takes precedence)                                                                                                                                                  |
| H03D 3/34         | 1-Punkt Untergruppe | . by means of electromechanical devices (H03D 3/16 takes precedence) [3]                                                                                                                                                           |
| <b>H03D 5/00</b>  | <b>Hauptgruppe</b>  | <b>Circuits for demodulating amplitude-modulated or angle-modulated oscillations at will (H03D 9/00 , H03D 11/00 take precedence)</b>                                                                                              |
| <b>H03D 7/00</b>  | <b>Hauptgruppe</b>  | <b>Transference of modulation from one carrier to another, e.g. frequency-changing (H03D 9/00 , H03D 11/00 take precedence; dielectric amplifiers, magnetic amplifiers, parametric amplifiers used as frequency-changers H03F)</b> |
| H03D 7/02         | 1-Punkt Untergruppe | . by means of diodes (H03D 7/14 to H03D 7/22 take precedence)                                                                                                                                                                      |
| H03D 7/04         | 2-Punkt Untergruppe | . . having negative resistance characteristic, e.g. tunnel diode                                                                                                                                                                   |
| H03D 7/06         | 1-Punkt Untergruppe | . by means of discharge tubes having more than two electrodes (H03D 7/14 to H03D 7/22 take precedence)                                                                                                                             |
| H03D 7/08         | 2-Punkt Untergruppe | . . the signals to be mixed being applied between the same two electrodes                                                                                                                                                          |
| H03D 7/10         | 2-Punkt Untergruppe | . . the signals to be mixed being applied between different pairs of electrodes                                                                                                                                                    |
| H03D 7/12         | 1-Punkt Untergruppe | . by means of semiconductor devices having more than two electrodes (H03D 7/14 to H03D 7/22 take precedence)                                                                                                                       |
| H03D 7/14         | 1-Punkt Untergruppe | . Balanced arrangements                                                                                                                                                                                                            |
| H03D 7/16         | 1-Punkt Untergruppe | . Multiple frequency-changing                                                                                                                                                                                                      |
| H03D 7/18         | 1-Punkt Untergruppe | . Modifications of frequency-changers for eliminating image frequencies                                                                                                                                                            |
| H03D 7/20         | 1-Punkt Untergruppe | . by means of transit-time tubes                                                                                                                                                                                                   |
| H03D 7/22         | 1-Punkt Untergruppe | . by deflecting an electron beam in a discharge tube (H03D 7/20 takes precedence)                                                                                                                                                  |
| <b>H03D 9/00</b>  | <b>Hauptgruppe</b>  | <b>Demodulation or transference of modulation of modulated electromagnetic waves (devices or arrangements for demodulating light, transferring modulation in light waves G02F 2/00)</b>                                            |
| H03D 9/02         | 1-Punkt Untergruppe | . Demodulation using distributed inductance and capacitance, e.g. in feeder lines                                                                                                                                                  |
| H03D 9/04         | 2-Punkt Untergruppe | . . for angle-modulated oscillations                                                                                                                                                                                               |
| H03D 9/06         | 1-Punkt Untergruppe | . Transference of modulation using distributed inductance and capacitance                                                                                                                                                          |
| <b>H03D 11/00</b> | <b>Hauptgruppe</b>  | <b>Super-regenerative demodulator circuits</b>                                                                                                                                                                                     |
| H03D 11/02        | 1-Punkt Untergruppe | . for amplitude-modulated oscillations                                                                                                                                                                                             |

| Symbol            | Typ                 | Titel                                                                                         |
|-------------------|---------------------|-----------------------------------------------------------------------------------------------|
| H03D 11/04        | 2-Punkt Untergruppe | . . by means of semiconductor devices having more than two electrodes                         |
| H03D 11/06        | 1-Punkt Untergruppe | . for angle-modulated oscillations                                                            |
| H03D 11/08        | 2-Punkt Untergruppe | . . by means of semiconductor devices having more than two electrodes                         |
| <b>H03D 13/00</b> | <b>Hauptgruppe</b>  | <b>Circuits for comparing the phase or frequency of two mutually-independent oscillations</b> |