H03J

TUNING RESONANT CIRCUITS; SELECTING RESONANT CIRCUITS (indicating arrangements for measuring G01D; measuring, testing G01R; remote-control in general G05, G08; automatic control or stabilisation of generators H03L)

Definition statement

This place covers:

• tuning of resonating circuits, in particular RLC circuits in which the inductance and/or the capacitance is controlled;
• this subclass also covers the control of tuning, including the combined control of tuning and other functions, e.g. combinations of tuning control and volume control, combinations of control of local oscillator circuits and of supplementary resonant circuits.

References

Limiting references

This place does not cover:

| Indicating arrangements for measuring | G01D          |
| Measuring, testing                  | G01R          |
| Remote-control in general           | G05, G08      |
| Automatic control or stabilisation of generators | H03L |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Resonator consisting of distributed elements | H01P          |
| Antennas                                     | H01Q          |
| Oscillators                                  | H03B          |
| Filters comprising lumped elements          | H03H          |
| Radio receiver circuits                      | H04B          |
| Calibrating and monitoring of receivers and transmitters | H04B 17/00 |
| Television receiver circuits                 | H04N          |

H03J 1/00

Details of adjusting, driving, indicating, or mechanical control arrangements for resonant circuits in general (machine elements in general F16; coupling of knobs to shafts F16D)

Definition statement

This place covers:

• Control circuits that consist of a microprocessor: H03J 1/0008 - H03J 1/0091;
• Indicating arrangements, such as used on the display of receiving apparatus: H03J 1/02 - H03J 1/048;
• Driver or adjusting arrangements, being mechanical means for driving the tunable components: H03J 1/06 - H03J 1/22.
References

**Limiting references**

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H03J 7/00

Automatic frequency control; Automatic scanning over a band of frequencies

Definition statement

This place covers:

- Automatic frequency control circuits, such as used in radio and television receivers:
  H03J 7/02 - H03J 7/16;
- Automatic scanning over a band of frequencies, with or without microcomputer controlled circuits:
  H03J 7/18 - H03J 7/32.

References

Limiting references

This place does not cover:

Automatic frequency control (H03J 7/18 takes precedence) H03J 7/02

Informative references

Attention is drawn to the following places, which may be of interest for search:

Automatic tuning control for television receivers H04N 5/50

H03J 9/00

Remote-control of tuned circuits; Combined remote-control of tuning and other functions, e.g. brightness, amplification

Definition statement

This place covers:

Remote control of tuned circuits such as used in television and radio receivers and consumer electronics in general.

References

Limiting references

This place does not cover:

Mechanical remote-control arrangements H03J 1/00
Using a microprocessor H03J 1/0025
Constructional details of remote control switching devices H01H 9/0235
**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

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