

## 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 subclass/group 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 relevant to classification in this subclass

*This subclass/group does not cover:*

Indicating arrangements for measuring	<a href="#">G01D</a>
Measuring, testing	<a href="#">G01R</a>
Remote-control in general	G05, G08
Automatic control or stabilisation of generators	<a href="#">H03L</a>

### Informative references

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

Resonator consisting of distributed elements	<a href="#">H01P</a>
Antennas	<a href="#">H01Q</a>
Oscillators	<a href="#">H03B</a>
Filters comprising lumped elements	<a href="#">H03H</a>
Radio receiver circuits	<a href="#">H04B</a>

Calibrating and monitoring of receivers and transmitters	<a href="#">H04B 17/00</a>
Television receiver circuits	<a href="#">H04N</a>

## 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 subclass/group covers:*

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

### References relevant to classification in this group

*This subclass/group does not cover:*

Machine elements in general	F16
Coupling of knobs to shafts	<a href="#">F16D</a>

## H03J 3/00

**Continuous tuning (H03J7/00, H03J9/00 take precedence; combination of continuous and discontinuous tuning other than for bandspreading H03J5/00)**

### Definition statement

*This subclass/group covers:*

Tuned circuits in which the tuning (or control) signal is continuously applied to the resonating circuit.

## References relevant to classification in this group

*This subclass/group does not cover:*

Combination of continuous and discontinuous tuning other than for bandspreading	<a href="#">H03J 5/00</a>
Automatic frequency control; Automatic scanning over a band of frequencies	<a href="#">H03J 7/00</a>
Remote-control of tuned circuits; Combined remote-control of tuning and other functions, e.g. brightness, amplification	<a href="#">H03J 9/00</a>

## H03J 5/00

**Discontinuous tuning; Selecting predetermined frequencies; Selecting frequency bands with or without continuous tuning in one or more of the bands, e.g. push-button tuning, turret tuner (H03J7/00, H03J9/00 take precedence; for bandspreading H03J3/10)**

### Definition statement

*This subclass/group covers:*

- Tuned circuits in which the tuning (or control) signal is not continuously applied to the resonating circuit;
- Radio frequency filters used for bandswitching in receivers and transmitters.

## References relevant to classification in this group

*This subclass/group does not cover:*

Tuning for bandspreading	<a href="#">H03J 3/10</a>
Automatic frequency control; Automatic scanning over a band of frequencies	<a href="#">H03J 7/00</a>
Remote-control of tuned circuits; Combined remote-control of tuning and other functions, e.g. brightness,	<a href="#">H03J 9/00</a>

amplification	
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## H03J 7/00

**Automatic frequency control; Automatic scanning over a band of frequencies**

### Definition statement

*This subclass/group covers:*

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

### References relevant to classification in this group

*This subclass/group does not cover:*

Automatic frequency control ( <a href="#">H03J 7/18</a> takes precedence)	<a href="#">H03J 7/02</a>
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### Informative references

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

Automatic tuning control for television receivers	<a href="#">H04N 5/50</a>
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## H03J 9/00

**Remote-control of tuned circuits; Combined remote-control of tuning and other functions, e.g. brightness, amplification (mechanical remote-control arrangements H03J1/00; [N: using a microprocessor H03J1/0025; constructional details of remote control switching devices H01H9/0235])**

### Definition statement

*This subclass/group covers:*

Remote control of tuned circuits such as used in television and radio receivers

and consumer electronics in general.

### References relevant to classification in this group

*This subclass/group does not cover:*

Constructional details of remote control switching devices	<a href="#">H01H 9/0235</a>
Mechanical remote-control arrangements	<a href="#">H03J 1/00</a>
Using a microprocessor	<a href="#">H03J 1/0025</a>

### Informative references

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

Universal remote controls	<a href="#">H04B 1/20</a>
Remote control of television receivers	<a href="#">H04N</a>
Housing of remote controls	<a href="#">H05K 9/00</a>