Title (en)

SELF-CALIBRATING TEMPERATURE-COMPENSATED FREQUENCY SOURCE

Publication

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Application

EP 90909573 A 19900622

Priority

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Abstract (en)

[origin: WO9016113A1] The present invention relates to control of a frequency source (1) in, for example, a remote unit in a mobile communications system, in order to maintain a stable frequency signal. In normal operation the frequency source (1) is frequency locked to an external frequency reference (10). A temperature detecting means (3) monitors temperature of the frequency source during frequency lock information relating to temperature is stored in storage means (7) together with information relating to control signals (6) applied to the frequency source (1) to maintain frequency lock for the various temperatures, under control of a control means (4). In the absence of the frequency reference (10), temperature of the frequency source (1) is detected and the stored information is used to generate a control signal (6) to control the output frequency of the frequency source (1) in accordance with the detected temperature.

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H03L 1/02

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] GB 2132042 A 19840627 - BRITISH BROADCASTING CORP
- See references of WO 9016113A1

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