Title (en)

Method for transferring, by means of a radio relay system radiophonic signals for isofrequency broadcasting.

Title (de)

Verfahren zur Übertragung radiophoner Signale mittels Radiorelaissystem für das Isofrequenzsenden.

Title (fr)

Procédé pour transmettre les signaux radiophoniques à l'aide de système radio automatique tout relais pour l'émission isofréquencielle.

Publication

EP 0582103 A3 19950201 (EN)

Application

EP 93111014 A 19930709

Priority

IT MI921954 A 19920807

Abstract (en)

[origin: EP0582103A2] The frequency of the "isofrequency" radiophonic signal (fI) is converted by beating together with a fixed frequency generated by a local oscillator (12) controlled by a reference oscillator (14) according to a constant factor. By using band-pass filtering, an intermediate carrier frequency signal (fP), equal to the difference between the frequency of the radiophonic signal and the fixed frequency, is extracted and transmitted over the radio relay system together with the reference frequency. At the receiving end, the signal received from the radio relay system is filtered in two band-pass filters (20, 22) so as to isolate the intermediate signal and the reference frequency. The fixed frequency is reconstructed from the reference frequency by multiplying by the above mentioned factor, and the intermediate signal is reconverted by beating together with the fixed frequency; filtering so as to reobtain the original radiophonic signal. The method can be extended to the transmission of a plurality of radiophonic signals with a single reference frequency on a same radio relay system. <IMAGE>

IPC 1-7

G08G 1/09

IPC 8 full level

G08G 1/09 (2006.01); **H04H 20/67** (2008.01)

CPC (source: EP)

G08G 1/094 (2013.01); **H04H 20/67** (2013.01)

Citation (search report)

- [A] US 4475243 A 19841002 - BATLIVALA PERCY P [US], et al
- [A] US 5089815 A 19920218 - POTTER THOMAS [US], et al
- [DA] EP 0291676 A2 19881123 - RAI RADIOTELEVISIONE ITALIANA [IT]

Designated contracting state (EPC)

DE ES FR MC NL

DOCDB simple family (publication)

EP 0582103 A2 19940209; **EP 0582103 A3 19950201**; **EP 0582103 B1 19980930**; DE 69321312 D1 19981105; DE 69321312 T2 19990401; ES 2121903 T3 19981216; IT 1255805 B 19951116; IT MI921954 A0 19920807; IT MI921954 A1 19940207

DOCDB simple family (application)

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