

Title (en)

METHOD FOR THE PHASE-LOCKED TRANSMISSION OF A LOW-FREQUENCY MODULATION SIGNAL AND CIRCUIT ARRANGEMENT FOR PERFORMING THIS METHOD

Publication

**EP 0170847 B1 19890510 (DE)**

Application

**EP 85107696 A 19850621**

Priority

CH 354384 A 19840720

Abstract (en)

[origin: EP0170847A1] 1. Method for the phase-locked transmission of a voice-frequency modulation signal from a central signal source via feeder connections to a plurality of spatially distributed base stations of a common-frequency radio system, in which method phase rotations of the modulation signal in the feeder connection are compensated, characterized in that - an auxiliary carrier (AC) located outside the voice-frequency band (VB) of the modulation signal is generated ; - the auxiliary carrier (AC) is mixed with the modulation signal ; - the lower sideband (LSB) resulting from the mixing, together with a residual auxiliary carrier (RAC), is transmitted to the base stations (B, B1, ..., B3) ; and - the original modulation signal is recovered at the base stations (B, B1, ..., B3) from the lower sideband (LSB) by mixing with the aid of the residual auxiliary carrier (RAC) transmitted.

IPC 1-7

**H04H 3/00**

IPC 8 full level

**H04H 3/00** (2006.01); **H04H 20/67** (2008.01)

CPC (source: EP)

**H04H 20/67** (2013.01)

Cited by

FR2688364A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0170847 A1 19860212**; **EP 0170847 B1 19890510**; AT E43035 T1 19890515; CH 667169 A5 19880915; DE 3570166 D1 19890615

DOCDB simple family (application)

**EP 85107696 A 19850621**; AT 85107696 T 19850621; CH 354384 A 19840720; DE 3570166 T 19850621