

Title (en)

UHF transmitter for a traffic information radio broadcasting system.

Title (de)

UKW-Sender für ein Verkehrsroundfunkübertragungssystem.

Title (fr)

Emetteur-UHF pour un système de radio-diffusion d'informations routières.

Publication

EP 0065616 A1 19821201 (DE)

Application

EP 82100827 A 19820205

Priority

DE 3121087 A 19810527

Abstract (en)

[origin: ES8304388A1] FM transmission system in which, besides program content, an auxiliary carrier of, for example 57 kHz, is radiated, which auxiliary carrier is modulated by an announcement recognition (AR) signal and by a region or radio-station recognition (RR) signal, the AR and RR signals being low-frequency, AM modulations on the auxiliary carrier. To enhance recognition of an AR signal, e.g. between 142 and 170 Hz, is enhanced, in spite of reception difficulties, for example due to multi-path reception and the like, by decreasing the modulation of the 57 kHz subcarrier by the RR signal to 30% or less, while the AR signal is modulating the subcarrier, so that the AR modulation may extend to 60 and even 90% modulation. Multiple AR frequencies can be used, for example to characterize different announcements, e.g. in different languages, or of different characteristics, such as traffic, news, sports, or others, recognition of the AR signal in the receiver permitting switch-over from other reproduced programs, e.g. tape, to the demodulator from the receiver tuned to the station emitting the AR signal, to reproduce the announcement, or the like.

Abstract (de)

Bei Verkehrsfunksendern wird der von diesen ausgestrahlte 57-kHz-Hilfsträger der Amplitude mit der Bereichskennung moduliert. Durch Absenkung des Modulationsgrades während der Dauer der Verkehrsdurchsagen wird eine neue Möglichkeit zur Erkennung solcher Durchsagen gewonnen.

IPC 1-7

G08G 1/09

IPC 8 full level

G08G 1/09 (2006.01); **H04H 20/00** (2009.01)

CPC (source: EP US)

G08G 1/094 (2013.01 - EP US)

Citation (search report)

- [A] RUNDFUNKTECHNISCHE MITTEILUNGEN, Band 18, Nr. 4, August 1974, Seiten 193-201, Hamburg (DE);
- [A] L'ONDE ELECTRIQUE, Band 60, Nr. 10, Oktober 1980, Seiten 33-38, Paris (FR);
- RUNDFUNKTECHNISCHE MITTEILUNGEN, Band 18, Nr. 4, August 1974, Seiten 193-201, Hamburg (DE);
- L'ONDE ELECTRIQUE, Band 60, Nr. 10, Oktober 1980, Seiten 33-38, Paris (FR);

Designated contracting state (EPC)

AT CH FR GB IT

DOCDB simple family (publication)

EP 0065616 A1 19821201; **EP 0065616 B1 19850807**; AT E14807 T1 19850815; BR 8202129 A 19830322; CA 1173507 A 19840828; DE 3121087 A1 19821230; DE 3121087 C2 19831201; ES 512550 A0 19830216; ES 8304388 A1 19830216; JP S57199348 A 19821207; MX 150247 A 19840404; US 4584708 A 19860422; ZA 822253 B 19830223

DOCDB simple family (application)

EP 82100827 A 19820205; AT 82100827 T 19820205; BR 8202129 A 19820414; CA 399917 A 19820331; DE 3121087 A 19810527; ES 512550 A 19820526; JP 8738882 A 19820525; MX 19237082 A 19820422; US 69084085 A 19850114; ZA 822253 A 19820401