

Title (en)

GMSK encoder for radio frequency transmitter

Title (de)

GMSK Kodierer für Funksender

Title (fr)

Encodeur de type GMSK pour un émetteur radiofréquence

Publication

**EP 1060600 A1 20001220 (EN)**

Application

**EP 99914471 A 19990301**

Priority

- EP 9901401 W 19990301
- GB 9804602 A 19980305

Abstract (en)

[origin: GB2335122A] A transmitter encoder for the transmission of GMSK signals is provided, comprising: a digital data source (1), a first filter unit (2) with a low-pass characteristic and an integrator (3), all connected in series; a sine component extractor (4) for calculating the sine component of the output of the integrator, the sine component extractor being connected to a second low-pass filter (6); a cosine component extractor (5) for calculating the cosine component of the output of the integrator, the cosine component extractor being connected to a third low-pass filter (7); whereby the output of the integrator is supplied to both the sine- and cosine component extractors. The second (6) and third (7) low-pass filters can be Finite Impulse Response filters. In a portable or mobile radio or telephone, the filters' co-efficients can be set to provide >60dB attenuation of those signals which leak into transmission channels adjacent to the channel on which the radio or telephone is transmitting. The arrangement is suitable for digital radios which operate with a 6.25 kHz channel width.

IPC 1-7

**H04L 27/20**

IPC 8 full level

**H04L 27/20** (2006.01)

CPC (source: EP)

**H04L 27/2017** (2013.01)

Citation (search report)

See references of WO 9945681A1

Designated contracting state (EPC)

DE ES FI FR GB IT SE

DOCDB simple family (publication)

**GB 2335122 A 19990908; GB 9804602 D0 19980429; EP 1060600 A1 20001220; WO 9945681 A1 19990910**

DOCDB simple family (application)

**GB 9804602 A 19980305; EP 9901401 W 19990301; EP 99914471 A 19990301**