Title (en)

RECEIVER FOR INDEPENDENT SIDEBAND SIGNALS

Title (de)

EMPFÄNGER FÜR SIGNALE UNABHÄNGIGER SEITENBÄNDER

Title (fr)

RECEPTEUR BLI

Publication

EP 0919091 A1 19990602 (EN)

Application

EP 98905559 A 19980312

Priority

- GB 9711903 A 19970610
- IB 9800340 W 19980312

Abstract (en)

[origin: WO9857469A1] A receiver for independent sideband (ISB) signals comprises means (30 to 54) for producing digitised quadrature related zero IF versions of the received signal which are applied to a complex FIR filter structure (56) comprising respective real low pass filters in which alternate coefficients (C1 to CN-1, C0 to CN) are non-zero. The FIR filter structure is illustrated in greater detail in Figure 3 (not shown). The respective upper and lower sidebands (USB, LSB) are recovered by obtaining the sum and difference of the outputs of the respective filters. The respective sideband signals (USB, LSB) are stored in RAM (58) and when it is desired to reproduce the stored signal it is expanded, equalised and converted to an analogue signal which is supplied to an audio transducer (64).

IPC 1-7

H04L 27/22; H04B 14/04; H04N 5/44

IPC 8 full level

H03H 17/02 (2006.01); **H03D 1/22** (2006.01); **H03D 3/00** (2006.01); **H04B 1/10** (2006.01); **H04B 1/16** (2006.01); **H04B 1/30** (2006.01); **H04B 1/40** (2006.01); **H04B 1/68** (2006.01); **H04B 7/005** (2006.01); **H04H 20/88** (2008.01); **H04L 27/02** (2006.01); H04B 1/00 (2006.01)

CPC (source: EP KR)

H03D 1/2245 (2013.01 - EP); **H03D 3/007** (2013.01 - EP); **H04B 1/30** (2013.01 - EP); **H04B 1/406** (2013.01 - EP); **H04B 1/68** (2013.01 - EP); **H04L 27/22** (2013.01 - KR); H04B 1/00 (2013.01 - EP)

Citation (search report)

See references of WO 9857469A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9857469 A1 19981217; CN 1228222 A 19990908; EP 0919091 A1 19990602; GB 9711903 D0 19970806; JP 2000517516 A 20001226; KR 20000068083 A 20001125

DOCDB simple family (application)

IB 9800340 W 19980312; CN 98800783 A 19980312; EP 98905559 A 19980312; GB 9711903 A 19970610; JP 52933598 A 19980312; KR 19997001051 A 19990208