

Title (en)

METHODS AND APPARATUS FOR TIMING RECOVERY OF VESTIGIAL SIDEBAND (VSB) MODULATED SIGNALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TAKTRÜCKGEWINNUNG FÜR RESTSEITENBANDMODULIERTE SIGNALE

Title (fr)

PROCEDE ET APPAREIL POUR LA RECUPERATION DE RYTHME DE SIGNAUX MODULES DANS LA BANDE LATERALE RESIDUELLE

Publication

**EP 1078450 A1 20010228 (EN)**

Application

**EP 99918254 A 19990504**

Priority

- IL 9900234 W 19990504
- US 8406398 P 19980504

Abstract (en)

[origin: WO9957805A1] Apparatus for timing recovery of vestigial sideband (VSB) modulated signals including a narrow band pass filter (28) adapted to receive a baseband VSB signal (26) having a positive-frequency signal edge (30) and providing a portion of the positive-frequency signal edge (30). A non-linear transformer (32) is adapted to receive the signal portion and provide a timing-retrievable signal to a loop filter (34) which is adapted to receive and average the timing-retrievable signal to provide a timing corrected signal.

IPC 1-7

**H03D 1/24**; **H04L 27/10**

IPC 8 full level

**H03D 1/24** (2006.01); **H04L 7/027** (2006.01); **H04L 27/06** (2006.01); **H04L 7/033** (2006.01)

CPC (source: EP)

**H03D 1/24** (2013.01); **H04L 7/027** (2013.01); **H04L 27/06** (2013.01); **H04L 7/033** (2013.01)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 9957805 A1 19991111**; AU 3626199 A 19991123; EP 1078450 A1 20010228; EP 1078450 A4 20021120

DOCDB simple family (application)

**IL 9900234 W 19990504**; AU 3626199 A 19990504; EP 99918254 A 19990504