Title (en)

Bit synchronization method for a digital radiotelephone system.

Title (de)

Verfahren zur Bitsynchronisation für ein digitales Funktelefonsystem.

Title (fr)

Procédé de synchronisation de bit pour système de radiotéléphone numérique.

Publication

EP 0273289 A2 19880706 (DE)

Application

EP 87118501 A 19871214

Priority

US 94819986 A 19861231

Abstract (en)

A method and means for maintaining continuous bit synchronization of data transmitted from a remote unit (114) through a base unit (126) to a landline unit (136) is disclosed. An input data stream (222) at a first bit rate, such as digitized or encrypted speech, is interleaved in a formatter (230) with a plurality of signalling words (234), and transmitted over an RF channel at a second bit rate. The base site decoder (250) recovers the clock of the received data, a reformatter (260) strips off the signalling word, and an elastic buffer (270) modifies the bit rate of the received data and adjusts the recovered clock rate to provide an output data stream (272) which is in bit synchronization with the input data stream and within a predetermined modem specification. The encrypted data is then sent over landlines (132) to a decryption unit (280) which requires bit synchronization.

IPC 1-7

H04K 1/00; H04L 9/00

IPC 8 full level

H04K 1/00 (2006.01); **H04L 9/12** (2006.01)

CPC (source: EP US)

H04K 1/00 (2013.01 - EP US); **H04L 9/0656** (2013.01 - EP US); **H04L 9/12** (2013.01 - EP US); H04L 2209/80 (2013.01 - EP US)

Cited by

US5001756A; DE4026698A1; FR2652468A1; DE4026698C2; EP0446194A1; AU643771B2; TR25774A; WO9104620A1; WO9114315A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0273289 A2 19880706; **EP 0273289 A3 19891018**; US 4803726 A 19890207

DOCDB simple family (application)

EP 87118501 A 19871214; US 94819986 A 19861231