

Title (en)

ULTRA WIDE BAND BASE BAND RECEIVER

Title (de)

ULTRABREITBAND-BASISBANDEMPFÄNGER

Title (fr)

RECEPTEUR EN BANDE DE BASE A TRES LARGE BANDE

Publication

EP 1310047 A2 20030514 (EN)

Application

EP 01948601 A 20010620

Priority

- US 0119922 W 20010620
- US 59996800 A 20000621

Abstract (en)

[origin: WO0199300A2] The present invention is a receiver having a radio frequency (RF) front end, a pulse detector operatively coupled to the RF front end, and a data recovery unit operatively coupled to the pulse detector. The data recovery unit is configured to receive spread spectrum RF signals having different pulse repetition frequencies and using different modulation techniques. The receiver may operate in conjunction with a transmitter as a transceiver. The receiver may also operate in a network environment in which a network of transceiver node devices comprise a first slave transceiver having a receiver configured to receive spread spectrum signals, and a second slave transceiver configured to communicate with the first slave transceiver. Additionally, a master transceiver is in communication with the first slave transceiver and the second slave transceiver. The master transceiver is configured to manage data transmissions and synchronization between the first slave transceiver and the second slave transceiver.

IPC 1-7

H04B 1/69; H04L 25/49; H04L 12/56

IPC 8 full level

H04B 1/69 (2011.01)

CPC (source: EP)

H04B 1/71637 (2013.01); **H04B 1/7183** (2013.01)

Citation (search report)

See references of WO 0199300A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0199300 A2 20011227; **WO 0199300 A3 20030227**; AU 7006301 A 20020102; EP 1310047 A2 20030514

DOCDB simple family (application)

US 0119922 W 20010620; AU 7006301 A 20010620; EP 01948601 A 20010620