Title (en)

SPREAD SPECTRUM COMMUNICATION SYSTEM PARTICULARLY SUITED FOR RF NETWORK COMMUNICATION.

Title (de)

SPREIZSPEKTRUM-KOMMUNIKATIONSSYSTEM BESONDERS FÜR DIE ÜBERTRAGUNG IN EINEM RADIOFREQUENZNETZWERK GEEIGNET.

Title (fr)

SYSTEME DE COMMUNICATION PAR ETALEMENT DU SPECTRE PARTICULIEREMENT ADAPTE AU RESEAU HYPERFREQUENCE.

Publication

**EP 0653133 A4 19980708 (EN)**

Application

**EP 93918481 A 19930729**

Priority

- US 9307125 W 19930729
- US 92333192 A 19920731

Abstract (en)

[origin: WO9403989A1] The transceiver (10) receives data for transmission via a microprocessor (14) by means of an interface (15) under the control of application software (16). The data are transformed into chip sequences by the data encoder (12) and the waveform generator (13). The data then pass through a bandpass filter (18), a baseband amplifier (20), a mixer (22) connected to a local oscillator (24), an RF amplifier (26), and antenna (28). Similarly, the received signal goes through an RF bandpass filter (30), an RF amplifier (32), a mixer (34) connected to a local oscillator (38), a bandpass filter (36), a limiter (40), and a correlator (40). The decoded data packets from the receiver are fed back to the microprocessor (15).

IPC 1-7

**H04L 27/30**

IPC 8 full level

**H04L 27/18** (2006.01); **H04B 1/707** (2011.01)

CPC (source: EP)

**H04B 1/707** (2013.01); **H04B 1/7093** (2013.01); **H04L 27/103** (2013.01)

Citation (search report)

- [X] US 4307380 A 19811222 - GANDER JEAN-GABRIEL
- [X] US 5070500 A 19911203 - HORINOUCHI SHINICHI [JP], et al
- [A] EP 0419047 A2 19910327 - INTELLON CORP [US]
- See references of WO 9403989A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**WO 9403989 A1 19940217**; AU 4791293 A 19940303; AU 674695 B2 19970109; CA 2139227 A1 19940217; EP 0653133 A1 19950517; EP 0653133 A4 19980708; JP H07509592 A 19951019

DOCDB simple family (application)

**US 9307125 W 19930729**; AU 4791293 A 19930729; CA 2139227 A 19930729; EP 93918481 A 19930729; JP 50542594 A 19930729