

Title (en)

SPREAD SPECTRUM HANDSHAKE FOR DIGITAL SUBSCRIBER LINE TELECOMMUNICATIONS SYSTEMS

Title (de)

SPREIZSPEKTRUM-QUITTUNGSSIGNALLEN EINER DIGITALEN TEILNEHMERLEITUNG

Title (fr)

POIGNEE DE MAIN A SPECTRE ETALE DESTINEE AUX SYSTEMES DE TELECOMMUNICATIONS A LIGNE D'ABONNE NUMERIQUE

Publication

EP 1090463 A1 20010411 (EN)

Application

EP 99931832 A 19990618

Priority

- US 9913817 W 19990618
- US 9033398 P 19980623

Abstract (en)

[origin: WO9967890A1] Handshake information for xDSL services is transmitted utilizing a spread spectrum modulated system where a plurality (n) of carrier tones (n > 2) are summed and utilized as a spread spectrum carrier (SSC), and data is modulated onto the carrier (at all utilized frequencies). Preferably, phase shift keying (PSK) modulation or a variation thereof is used as the encoding/modulation technique.

IPC 1-7

H04B 1/38; **H04L 5/16**; **H04L 27/10**; **H04L 27/18**

IPC 8 full level

H04B 1/69 (2006.01); **H04J 11/00** (2006.01); **H04J 13/00** (2006.01); **H04L 5/16** (2006.01); **H04L 27/26** (2006.01)

CPC (source: EP)

H04B 1/69 (2013.01); **H04L 5/0046** (2013.01); **H04L 5/0094** (2013.01); **H04L 5/0007** (2013.01); **H04L 27/2601** (2013.01)

Citation (search report)

See references of WO 9967890A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9967890 A1 19991229; AU 4825599 A 20000110; CA 2332941 A1 19991229; EP 1090463 A1 20010411; JP 2002519886 A 20020702

DOCDB simple family (application)

US 9913817 W 19990618; AU 4825599 A 19990618; CA 2332941 A 19990618; EP 99931832 A 19990618; JP 2000556452 A 19990618