

Title (en)
SYSTEM AND PROCESS FOR RETURN CHANNEL SPECTRUM MANAGER

Title (de)
SYSTEM UND VERFAHREN FÜR DIE VERWALTUNG EINES RÜCKKANALSPEKTRUMS

Title (fr)
SYSTEME ET PROCESSUS POUR GESTIONNAIRE DE SPECTRE A VOIE DE RETOUR

Publication
EP 1290819 A2 20030312 (EN)

Application
EP 01933285 A 20010510

Priority
• US 0115148 W 20010510
• US 56827000 A 20000510

Abstract (en)
[origin: WO0186856A2] The scanning receiver spectrum analyzer system is a system for monitoring the spectrum of RF energy on the upstream cable plant for the purpose of operating a group of cable modems in frequency bands that are the most interference-free. The spectrum analyzer surveys the entire upstream spectrum (typically 5 - 42 MHz) to determine the noise level at each frequency, and then weighing this data with current operating conditions (e.g. bit error rates) to determine the best possible alternative channel frequency for modems on an upstream node, and then waiting for a trigger condition to occur which indicates a need for the modems to change frequency.

IPC 1-7
H04L 1/00; **H04B 1/00**

IPC 8 full level
H04H 60/97 (2008.01); **H04J 1/12** (2006.01); **H04L 1/00** (2006.01); **H04N 7/173** (2011.01)

IPC 8 main group level
H04H 1/00 (2006.01)

CPC (source: EP)
H04H 60/97 (2013.01); **H04J 1/12** (2013.01); **H04L 1/0001** (2013.01); **H04N 7/17309** (2013.01)

Citation (search report)
See references of WO 0186856A2

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 0186856 A2 20011115; **WO 0186856 A3 20020411**; AU 5972201 A 20011120; CA 2408496 A1 20011115; CN 1204708 C 20050601; CN 1442004 A 20030910; EP 1290819 A2 20030312; HK 1058869 A1 20040604

DOCDB simple family (application)
US 0115148 W 20010510; AU 5972201 A 20010510; CA 2408496 A 20010510; CN 01812630 A 20010510; EP 01933285 A 20010510; HK 04101547 A 20040302