

Title (en)

INTELLIGENT GAIN CONTROL IN AN ON-FREQUENCY REPEATER

Title (de)

INTELLIGENTE VERSTÄRKUNGSREGELUNG GLEICHFREQUENZRELAISSTATION

Title (fr)

COMMANDE DE GAIN INTELLIGENTE DANS UN REPETEUR SUR LA MEME FREQUENCE

Publication

EP 1391060 A2 20040225 (EN)

Application

EP 02732268 A 20020527

Priority

- CA 0200772 W 20020527
- US 86546601 A 20010529

Abstract (en)

[origin: WO02098014A2] A gain controller operates to control the gain in each one of wideband uplink and downlink signal paths. Weak desired signals, within each wideband signal path, are detected using a narrowband down converter and detector, and these desired signals monitored by the micro controller. Based on the monitored signals, the micro controller operates, under control of suitable software implementing an Adaptive Control Algorithm, to adjust the gain in each of the uplink and downlink paths in order to dynamically optimize performance.

IPC 1-7

H04B 7/155

IPC 8 full level

H04B 7/005 (2006.01)

CPC (source: EP)

H04B 7/15535 (2013.01); **H04B 7/15578** (2013.01); **H04W 52/52** (2013.01)

Citation (search report)

See references of WO 02098014A2

Cited by

US10805026B2

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 02098014 A2 20021205; **WO 02098014 A3 20030918**; AU 2002304917 A1 20021209; CN 1471765 A 20040128; EP 1391060 A2 20040225

DOCDB simple family (application)

CA 0200772 W 20020527; AU 2002304917 A 20020527; CN 02801919 A 20020527; EP 02732268 A 20020527