

Title (en)

A network following method and a radio apparatus for in-vehicle use

Title (de)

Netzwerkverfolgungsverfahren und Funkvorrichtung für die fahrzeuginterne Verwendung

Title (fr)

Procédé de suivi de réseau et appareil de radio pour utilisation embarquée

Publication

EP 2073409 A1 20090624 (EN)

Application

EP 07150400 A 20071221

Priority

EP 07150400 A 20071221

Abstract (en)

A network following method of switching a radio tuner (2) between different frequencies over which a same programme is broadcast, the method comprising: tuning the radio tuner (2) to a first frequency (NDR) of a plurality of alternative frequencies on which a same programme is broadcast, so as to receive a first frequency signal of the programme; periodically monitoring quality indicators of the first frequency signal; periodically monitoring quality indicators of the signal of each of the other alternative frequencies (NDR AF1; NDR AF2) and storing the monitored results; and switching the radio tuner (2) from the first frequency (NDR) to a second frequency (NDR AF2) of the alternative frequencies in accordance with a quality value AQ determined from the monitored quality indicators for the first frequency signal (NDR) and for the other frequency signals (NDR AF1; NDR AF2); wherein the quality value, AQ, of each frequency signal is determined by applying a synergistic function of a field strength value, V(FS), and a distortion index, I D , of the signal, where the distortion index I D decreases as distortion D increases.

IPC 8 full level

H04H 20/12 (2008.01); **H04H 20/22** (2008.01)

CPC (source: EP)

H04H 20/12 (2013.01); **H04H 20/22** (2013.01); **H04H 2201/60** (2013.01)

Citation (applicant)

EP 0531725 A2 19930317 - BLAUPUNKT WERKE GMBH [DE]

Citation (search report)

- [X] EP 0531725 A2 19930317 - BLAUPUNKT WERKE GMBH [DE]
- [A] DE 4239759 A1 19940601 - TELEFUNKEN MICROELECTRON [DE]
- [A] EP 1259009 A1 20021120 - SONY INT EUROPE GMBH [DE]
- [A] EP 0584839 A1 19940302 - TELEFUNKEN FERNSEH & RUNDFUNK [DE]

Citation (examination)

US 4399325 A 19830816 - TANAKA KANJI [JP], et al

Cited by

EP2693668A1; CN102223566A; EP3018846A1; JP2016092636A

Designated contracting state (EPC)

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