

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

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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

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