Title (en)

Compensation amplifier for an automobile antenna.

Title (de)

Kompensationsverstärker für eine Autoantenne.

Title (fr)

Amplificateur à compensation pour antenne à bord d'un véhicule.

Publication

EP 0269924 B1 19940126 (EN)

Application

EP 87116690 A 19871112

Priority

JP 27821186 A 19861121

Abstract (en)

[origin: EP0269924A2] A compensation amplifier for an automobile antenna utilizing, as an antenna element, a heating wire incorporated in an automobile rear window, for removing fog formed thereon, is connected between the heating wire and a radio receiver circuit, so as to compensate for a signal transmission loss. An AM band-pass filter coil (La1), a cancelling coil (Lc), and an FM band-pass filter coil (Lf1) are connected between the heating wire (H) and the battery (B). The FM band-pass filter coil (Lf1) and the AM band-pass filter coil (La1) are wound on a toroidal core with air gaps. A floating capacitor (Cs) is connected between the heating wire (H) and a ground potential terminal. The FM band-pass filter coil (Lf1) and floating capacitor (Cs) are used as a part of an input band-pass filter for an FM signal compensation circuit. The AM band-pass filter coil (La1), the floating capacitor (Cs), and an additional capacitor (Cb) are used as a part of an input band-pass filter for an AM signal compensation circuit.

IPC 1-7

H01Q 1/12

IPC 8 full level

B60S 1/02 (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H01Q 1/44** (2006.01); **H04B 1/18** (2006.01)

CPC (source: EP)

H01Q 1/1278 (2013.01)

Cited by

CN109643841A; US5654720A; EP0370714A1; EP0805505A3; US5835066A; EP0367225A3; GB2295729A; GB2295729B; EP0346089A1; GB2250137A; US5293173A; GB2250137B; USRE37835E; WO9101575A1; WO9321668A1; EP0353515B1

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DOCDB simple family (application)

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