

Title (en)

Active noise cancellation system.

Title (de)

Aktives Lärmunterdrückungssystem.

Title (fr)

Système actif de suppression du bruit.

Publication

**EP 0539939 A1 19930505 (EN)**

Application

**EP 92118415 A 19921028**

Priority

FI 915142 A 19911031

Abstract (en)

The invention relates to an active noise cancellation system for a vehicle having a sound reproduction system, comprising means for generating one or more electrical signal(s) proportional to the noise in the target area, an electronic means (2) receiving these signals, such as an adaptive filter, for generating a noise cancellation signal, one or more sound sources (3) connected to said electronic means for generating cancellation noise in the target area, and one or more sensors (4) for detecting residual noise in the target area and transmitting it in an electrical form to the electronic means (2) to tune its operation. Specifically for simplification of the mounting of the system, the sound sources for generating cancellation noise are constituted by the loudspeakers (3) of the sound reproduction system of the vehicle, and the sensor or at least one of the sensors (4) for detecting residual noise has been fitted in conjunction with one of said loudspeakers (3). <IMAGE>

IPC 1-7

**G10K 11/16**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] WO 8804621 A1 19880630 - SAAB SCANIA AB [SE]
- [Y] RESEARCH DISCLOSURE, no. 317, September 1990, page 784, Emsworth, GB; ANONYMOUSLY: "An active noise controller"

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