

Title (en)  
Active noise cancellation system

Title (de)  
Aktives Lärmunterdrückungssystem

Title (fr)  
Système actif de suppression du bruit

Publication  
**EP 0539940 B1 19960424 (EN)**

Application  
**EP 92118416 A 19921028**

Priority  
FI 915143 A 19911031

Abstract (en)  
[origin: EP0539940A1] The invention relates to an active noise cancellation system for a motor vehicle, comprising means (1) for generating one or more electrical signals proportional to the noise in the target area, an electronic means (2) receiving these signals, such as an adaptive filter, for generating a cancellation noise 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. To enhance the operation of the system, an amplifier (5) has been disposed between the sound source or sources (3) of cancellation noise and the means (2) for generating a cancellation noise signal to control the gain of the cancellation noise signal in response to a signal (z) proportional to the rotation speed of the vehicle motor. <IMAGE>

IPC 1-7  
**G10K 11/16**

IPC 8 full level  
**B60R 11/02** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)  
**G10K 11/17823** (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); **G10K 2210/128** (2013.01 - EP); **G10K 2210/3039** (2013.01 - EP); **G10K 2210/3045** (2013.01 - EP); **G10K 2210/3046** (2013.01 - EP)

Cited by  
ES2143952A1; DE102004006604B4; US5692055A; GB2265277B; GB2276793A; GB2276793B

Designated contracting state (EPC)  
BE DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0539940 A1 19930505**; **EP 0539940 B1 19960424**; DE 69210169 D1 19960530; DE 69210169 T2 19961002; FI 915143 A0 19911031; FI 915143 A 19930501; FI 94563 B 19950615; FI 94563 C 19950925; JP 3412846 B2 20030603; JP H05241581 A 19930921

DOCDB simple family (application)  
**EP 92118416 A 19921028**; DE 69210169 T 19921028; FI 915143 A 19911031; JP 29280692 A 19921030