

Title (en)
SOUND SYNTHESIZER IN A VEHICLE.

Title (de)
GERÄUSCHSYNTHETISIERER IN EINEM FAHRZEUG.

Title (fr)
SYNTHETISEUR DE SON POUR VEHICULE.

Publication
EP 0469023 B1 19951018 (EN)

Application
EP 90906299 A 19900419

Priority
• GB 9000597 W 19900419
• GB 8908980 A 19890420

Abstract (en)
[origin: WO9013109A1] A noise enhancement system for use in a vehicle comprises a source (15, 20, 22) of signals representing desired sound related to vehicle operation for example the sound of a high power engine being accelerated. In dependence on sensed vehicle operation or experience, the signals are fed, to one or more loudspeakers (11, 26) or vibration actuators (27) so as to create for occupants of the vehicle a desired sound experience. The system can be integrated with one or both of an incar entertainment system and a noise cancellation system.

IPC 1-7
G10K 15/02

IPC 8 full level
G10K 11/178 (2006.01); **A63F 13/54** (2014.01); **B60R 11/02** (2006.01); **G10K 15/02** (2006.01); **G10K 15/04** (2006.01)

CPC (source: EP)
G10K 15/02 (2013.01)

Cited by
DE102012024615A1; EP1087376A3; EP4283606A3; DE102009055777A1; DE102009040898A1; DE102009007333A1; DE19810124B4; DE19746523B4; DE10016104A1; DE10016104C2; US7203321B1; US8320581B2; WO2016189075A1; US9373319B2; DE102011102709A1; DE102011102709B4; US9299337B2; EP3124822A1; EP2458243A1; US8776938B2; DE102013202890A1; WO2014127773A2; US9656604B2; DE102013202890B4

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9013109 A1 19901101; AT E129352 T1 19951115; DE 69023133 D1 19951123; DE 69023133 T2 19960321; DE 69023133 T3 20000629; EP 0469023 A1 19920205; EP 0469023 B1 19951018; EP 0469023 B2 19991201; ES 2078341 T3 19951216; ES 2078341 T5 20000216; GB 8908980 D0 19890607; JP 3261128 B2 20020225; JP H04504916 A 19920827

DOCDB simple family (application)
GB 9000597 W 19900419; AT 90906299 T 19900419; DE 69023133 T 19900419; EP 90906299 A 19900419; ES 90906299 T 19900419; GB 8908980 A 19890420; JP 50603590 A 19900419