

Title (en)
METHOD FOR OPERATING AN ENGINE ORDER CANCELLATION SYSTEM

Title (de)
VERFAHREN ZUM BETRIEB EINES ENGINE-ORDER-CANCELLATION-SYSTEMS

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME D'ANNULATION DE COMMANDE DE MOTEUR

Publication
EP 3807869 B1 20230510 (DE)

Application
EP 18734148 A 20180618

Priority
EP 2018066142 W 20180618

Abstract (en)
[origin: WO2019242837A1] A method for operating an engine order cancellation system (1), comprising the following steps: - capturing all the audio signals (13) which are to be output into a passenger compartment of a motor vehicle (5) by means of an audio output device (12), - generating a sum signal (15) which describes all the captured audio signals (13), - extracting the spectral components (23) of the sum signal (15), which is pre-filtered if necessary, the frequencies of said components (23) corresponding to the frequencies of the acoustic interference signals (3) which are to be compensated or are compensated by the EOC System (1), - modifying the respective extracted spectral components (23) in order to generate modified spectral components (23'), - converting the modified spectral components (23') into an operating parameter of the EOC system (1), - comparing the operating parameter of the EOC system (1) with a comparison operating parameter, - selecting the operating parameter having the most influence on the performance of the EOC system (1) and/or the stability of the EOC system (1), on the basis of the comparison, - operating the EOC system (1) by applying the selected operating parameter.

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