

Title (en)

METHOD FOR OPERATING AN IN-MOTOR-VEHICLE AUDIO OUTPUT DEVICE

Title (de)

VERFAHREN ZUM BETRIEB EINER KRAFTFAHRZEUGSEITIGEN AUDIOAUSGABEEINRICHTUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN DISPOSITIF DE SORTIE AUDIO CÔTÉ VÉHICULE

Publication

EP 3850870 A1 20210721 (DE)

Application

EP 18769355 A 20180912

Priority

EP 2018074672 W 20180912

Abstract (en)

[origin: WO2020052756A1] A method for operating an in-motor-vehicle audio output device (1), comprising the steps of: - providing a transfer function having an amplitude component and a phase component; - ascertaining a frequency-dependent group delay function of the phase component of the transfer function; - prescribing a target group delay function; - ascertaining a partial difference function, which describes a difference between the group delay function and the target group delay function in a specific frequency interval of a frequency band; - modifying the partial difference function by means of at least one modification measure to obtain a modified partial difference function for the specific frequency interval of the frequency band; - ascertaining the phase component of the modified partial difference function; - producing a correction function to correct the provided transfer function on the basis of the ascertained phase component of the modified partial difference function; - applying the correction function to the provided transfer function to obtain a group delay function approximated to the target group delay function; - outputting audio signals on the basis of the group delay function approximated to the target group delay function.

IPC 8 full level

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Citation (search report)

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