

Title (en)

Method for optimizing the acoustic quality of an acoustic signal on the basis of psycho-acoustic parameters

Title (de)

Verfahren zur akustischen Qualitätsoptimierung auf der Basis von psycho-akustischen Parametern

Title (fr)

Procédé pour l'optimisation de la qualité acoustique d'un signal acoustique à base de paramètres psycho-acoustiques

Publication

EP 1128360 A3 20041208 (EN)

Application

EP 01830129 A 20010223

Priority

IT TO20000180 A 20000224

Abstract (en)

[origin: EP1128360A2] Procedure for the optimisation of the acoustic quality, comprising the steps of arranging media (1) for playing a recorded sound or for synthesising an artificial sound, manipulating (2, 3) the sound thus generated so to confer a predefined value of at least one psycho-acoustic parameter, such as, for example, roughness, loudness, sharpness or impulsiveness, subjecting the sound thus manipulated to the subjective judgement of a plurality of panels of statistically representative experimental individuals, processing the subjective evaluations of the panels, in association to the psycho-acoustic parameters conferred to the sounds which are the object of the evaluation, in such a way to identify optimisation values of the perceived sound quality. In the case of application to the sound perceived inside the passenger compartment of a moving motor vehicle, sound processing media are arranged inside the motor vehicle for conferring optimal values of one or more previously defined psycho-acoustic parameters to the perceived sound. <IMAGE>

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G10K 15/00; H03G 3/32; H04B 1/66; G10L 19/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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