

Title (en)
METHOD FOR AUTO-DIAGNOSIS OF AN AUDIO PLAYBACK DEVICE

Title (de)
SELBSTDIAGNOSEVERFAHREN EINES AUDIOWIEDERGABEGERÄTS

Title (fr)
PROCEDE D'AUTO-DIAGNOSTIC D'UN EQUIPEMENT DE RESTITUTION AUDIO

Publication
EP 4072162 A1 20221012 (FR)

Application
EP 22167041 A 20220406

Priority
FR 2103681 A 20210409

Abstract (en)
[origin: US2022329956A1] A self-diagnosis method performed in audio playback equipment including an audio playback unit having at least one loudspeaker and an audio capture unit having at least one microphone includes the steps of acquiring or producing emission audio test signals and outputting them via the loudspeaker(s), thereby producing sound test signals; acquiring reception audio test signals produced by the microphone(s) as a result of the microphones receiving the sound test signals; and analyzing the reception audio test signals in order to establish a first diagnosis of the audio playback unit and a second diagnosis of the audio capture unit.

Abstract (fr)
Procédé d'auto-diagnostic mis en œuvre dans un équipement de restitution audio (1) comportant une unité de restitution audio (2) comprenant au moins un haut-parleur (7) et une unité de capture audio (3) comprenant au moins un microphone (10), le procédé d'auto-diagnostic comportant les étapes de :- acquérir ou produire des signaux audio de test émis (Se) et les diffuser via le ou les haut-parleurs (7) qui génèrent alors des signaux sonores de test (So) :- acquérir des signaux audio de test reçus (Sr) produits par le ou les microphones (10) et résultant d'une réception par le ou les microphones (10) des signaux sonores de test :- analyser les signaux audio de test reçus pour établir un premier diagnostic de l'unité de restitution audio (2) et un deuxième diagnostic de l'unité de capture audio (3).

IPC 8 full level
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CPC (source: EP US)
H04R 5/04 (2013.01 - US); **H04R 29/001** (2013.01 - EP); **H04R 29/002** (2013.01 - US); **H04R 29/005** (2013.01 - EP)

Citation (search report)
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• [Y] CN 109379689 A 20190222 - OPPO GUANGDONG MOBILE TELECOMMUNICATIONS CO LTD
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• [Y] "Sound system equipment - Part 21: Acoustical (output-based) measurements", IEC 60268-21:2018, IEC, 3, RUE DE VAREMBÉ, PO BOX 131, CH-1211 GENEVA 20, SWITZERLAND, 7 November 2018 (2018-11-07), pages 1 - 77, XP082013922

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