

Title (en)

DIGITAL ACOUSTIC DEVICE WITH INCREASED SOUND POWER

Title (de)

DIGITALE AKUSTISCHE VORRICHTUNG MIT ERHÖHTER TONLEISTUNG

Title (fr)

DISPOSITIF ACOUSTIQUE NUMERIQUE A PUISSANCE SONORE AUGMENTEE

Publication

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Application

EP 14766933 A 20140904

Priority

- FR 1358462 A 20130904
- EP 2014068833 W 20140904

Abstract (en)

[origin: WO2015032855A1] The invention relates to a digital acoustic device comprising at least one diaphragm (2) suspended facing a support (4) and at least one actuator (6, 10) associated with said diaphragm, said associated actuator (6, 10) being intended to move said diaphragm (20) away from and/or closer to said support (4), said device also comprising stop means (14) designed to stop the movement of said diaphragm (2) following the activation of the actuator when the diaphragm has a non-zero speed, the stop means (14) being dimensioned so as to stop the movement of the diaphragm (2) when the movement of the diaphragm is greater than or equal to 50% of the maximum design travel of the diaphragm and less than or equal to 95% of the maximum design travel of the diaphragm.

IPC 8 full level

H04R 7/26 (2006.01); **H04R 1/00** (2006.01); **H04R 17/00** (2006.01); **H04R 31/00** (2006.01)

CPC (source: EP US)

H04R 7/26 (2013.01 - EP US); **H04R 31/00** (2013.01 - EP US); **H04R 1/005** (2013.01 - EP US); **H04R 17/00** (2013.01 - EP US); **H04R 2201/003** (2013.01 - EP US); **H04R 2307/201** (2013.01 - US); **H04R 2307/207** (2013.01 - US)

Citation (examination)

RYOTA SAITO ET AL: "Audio Engineering Society Convention Paper 7344 A Digitally Direct Driven Dynamic-type Loudspeaker", 17 May 2008 (2008-05-17), XP055136464, Retrieved from the Internet <URL:http://www.aes.org/tmpFiles/elib/20140826/14474.pdf> [retrieved on 20140826]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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