

Title (en)
LOUDSPEAKER WITH LOW INERTIA

Title (de)
LAUTSPRECHER MIT GERINGER TRÄGHEIT

Title (fr)
HAUT-PARLEUR À FAIBLE INERTIE

Publication
EP 3772225 A1 20210203 (FR)

Application
EP 20188171 A 20200728

Priority
FR 1908614 A 20190729

Abstract (en)
[origin: CN112312293A] A loudspeaker (10) with low inertia is provided, including a supporting structure (12), a diffusion membrane (14) that is movable relative to the supporting structure (12), a motor (16) for actuating the diffusion membrane (14), including a movable unit (18) relative to the supporting structure (12), the movable unit (18) being mechanically connected to the diffusion membrane (14) for synchronized movement thereof, and a hydraulic circuit (20, 22) interposed between the movable unit (18) and the diffusion membrane (14), the diffusion membrane (14) and the movable unit (18) each including a movable piston surface, interacting with a fluid (22) of the hydraulic circuit (20, 22).

Abstract (fr)
La présente invention concerne (10) comportant une structure porteuse (12), une membrane de diffusion (14) mobile par rapport à la structure porteuse (12) et un moteur (16) d'actionnement de la membrane de diffusion (14) comportant un équipement mobile (18) déplaçable par rapport à la structure porteuse (12), l'équipage mobile (18) étant relié mécaniquement à la membrane de diffusion (14) pour leur déplacement synchronisé. Il comporte un circuit hydraulique (20, 22) interposé entre l'équipage mobile (18) et la membrane (14), la membrane (14) et l'équipage mobile (18) comportant chacun une surface de piston mobile, en interaction avec un fluide (22) du circuit hydraulique (20, 22).

IPC 8 full level
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H04R 1/02 (2013.01 - CN); **H04R 1/2834** (2013.01 - US); **H04R 7/04** (2013.01 - CN); **H04R 9/025** (2013.01 - CN); **H04R 9/027** (2013.01 - EP); **H04R 9/06** (2013.01 - CN); **H04R 9/066** (2013.01 - US); **H04R 9/045** (2013.01 - EP); **H04R 11/02** (2013.01 - EP); **H04R 23/02** (2013.01 - EP); **H04R 2209/026** (2013.01 - EP); **H04R 2400/07** (2013.01 - EP); **H04R 2400/11** (2013.01 - CN EP)

Citation (applicant)
US 4547663 A 19851015 - KITAGISHI NOZOMU [JP], et al

Citation (search report)
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• [A] EP 1274275 A1 20030108 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] "FLUID HAS WORLD'S HIGHEST MAGNETIC FLUX DENSITY", JEE JOURNAL OF ELECTRONIC ENGINEERING, DEMP A PUBLICATIONS INC. TOKYO, JP, vol. 27, no. 280, 1 April 1990 (1990-04-01), pages 64 - 66, XP000128629, ISSN: 0385-4507

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