

Title (en)

AIR-PULSE GENERATING DEVICE WITH COMMON MODE AND DIFFERENTIAL MODE MOVEMENT

Title (de)

LUFTPULSERZEUGUNGSVORRICHTUNG MIT GLEICHTAKT- UND DIFFERENZMODUSBEWEGUNG

Title (fr)

N&#201

Publication

EP 4283607 A1 20231129 (EN)

Application

EP 23174714 A 20230523

Priority

- US 202263346848 P 20220528
- US 202263347013 P 20220530
- US 202263353588 P 20220618
- US 202263353610 P 20220619
- US 202263354433 P 20220622
- US 202263428085 P 20221127
- US 202263433740 P 20221219
- US 202263434474 P 20221222
- US 202263435275 P 20221225
- US 202263436103 P 20221229
- US 202363447758 P 20230223
- US 202363447835 P 20230223
- US 202363459170 P 20230413

Abstract (en)

An air-pulse generating device includes a film structure including a flap pair. The film structure is actuated to perform a common mode movement, so as to form an amplitude-modulated ultrasonic air pressure variation with an ultrasonic carrier frequency. The film structure is actuated to perform a differential mode movement, so as to form an opening at a rate synchronous with the ultrasonic carrier frequency. The air-pulse generating device produces a plurality of air pulses according to the amplitude-modulated ultrasonic air pressure variation.

IPC 8 full level

G10K 15/04 (2006.01); **G10K 11/02** (2006.01); **H04R 1/30** (2006.01); **H04R 19/02** (2006.01)

CPC (source: EP KR)

G10K 9/122 (2013.01 - KR); **G10K 11/025** (2013.01 - EP); **G10K 15/04** (2013.01 - EP); **H04R 7/06** (2013.01 - KR); **H04R 17/00** (2013.01 - KR); **H04R 19/02** (2013.01 - EP KR); **H04R 31/003** (2013.01 - KR); **H04R 1/30** (2013.01 - EP); **H04R 2201/003** (2013.01 - KR); **H04R 2217/03** (2013.01 - EP KR); **H04R 2231/001** (2013.01 - KR)

Citation (applicant)

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Designated contracting state (EPC)

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BA

Designated validation state (EPC)

KH MA MD TN

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DOCDB simple family (application)

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