

Title (en)  
AN AIR-DRIVEN LOW FREQUENCY SOUND GENERATOR AND A METHOD FOR REGULATING THE PISTON IN SUCH A GENERATOR

Title (de)  
LUFTBETRIEBENER NIEDERFREQUENZ-SCHALLGENERATOR UND VERFAHREN ZUR REGULIERUNG DES KOLBENS IN SOLCH EINEM GENERATOR

Title (fr)  
GENERATEUR DE SONS BASSE FREQUENCE A ENTRAINEMENT PNEUMATIQUE ET PROCEDE DE REGULATION DU PISTON D'UN GENERATEUR DE CE TYPE

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Application  
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Abstract (en)  
[origin: WO2004009255A1] The invention relates to an air-driven, low frequency sound generator comprising an open resonator (2) working as a sound emitter and also comprising a feeder unit, for the generation of standing, gas-borne sound waves, which sound waves produce a varying sound pressure inside said resonator. The feeder unit includes a cylinder (5) with one open end facing said open resonator and communicating therewith, further including a piston (4) performing a reciprocating movement inside said cylinder, and also including a surge tank (7), at least partly surrounding said cylinder and connected to a first pressure gas source (9), for feeding pressure gas into the surge tank and further into said cylinder via at least one connection opening (10) arranged in a wall of said cylinder. The sound generator further comprises means (14, 15) for bringing said piston (4) to a stand-still position, in which said connection opening is blocked by the piston, by exerting an additional pressure on the upper end of said piston. The invention also relates to a corresponding method.

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CPC (source: EP)  
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