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[54] ELECTROACOUSTIC UNIT FOR GENERATING HIGH SONIC AND ULTRA-SONIC INTENSITIES IN GASES AND INTERPHASES

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[30] Foreign Application Priority Data

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[58] Field of Search **367/137, 138, 150, 152, 367/158, 97; 310/323, 328, 334**

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[57] ABSTRACT

New electroacoustic unit for efficient generation of high sonic and ultrasonic intensities in gas media and in interphases (gas-solid, gas-liquid.) Said unit is comprised of an electromechanical transducer system of which the radiating element is a plate (3) having a discontinuous profile and an electronic device for the controlled generation of the electric power signal. The unit is capable of generating acoustic fields of very high intensity with a predetermined configuration. Particularly it is capable of generating with a same transducer system two distinct configurations of the acoustic field. Prototypes for generating directional and focused fields have been developed.

30 Claims, 4 Drawing Sheets

