

Title (en)

FOCAL SONIC OR ULTRASONIC RADIATOR TO APPLY TO HIGH-INTENSITY FLUIDS

Publication

EP 0327486 A3 19900829 (EN)

Application

EP 89500014 A 19890203

Priority

ES 8800327 A 19880205

Abstract (en)

[origin: EP0327486A2] The object of the present patent application is a new type of radiator for sonic and/or ultrasonic frequencies consisting basically of a plate which has discontinuous profiles on both surfaces and which vibrates flexurally on excitation by a vibrator that may be piezoelectric, magnetostrictive, etc. in nature. The dual discontinuous profiles enable regulation of the amplitude and phase of the energy radiated, thereby achieving a high concentration of energy around a predetermined point.

IPC 1-7

G10K 13/00; **B06B 3/04**

IPC 8 full level

B06B 3/04 (2006.01); **G10K 13/00** (2006.01)

CPC (source: EP)

B06B 3/04 (2013.01); **G10K 13/00** (2013.01)

Citation (search report)

- [X] ULTRASONICS INTERNATIONAL 87, CONFERENCE PROCEEDINGS, London, 6th - 9th July 1987, pages 794-799; G. RODRIGUEZ-CORRAL et al.: "Focused high-power ultrasonic transducer with stepped-plate radiator for industrial application in gases"
- [X] ULTRASONICS INTERNATIONAL 85, CONFERENCE PROCEEDINGS, London, 2nd - 4th July 1985, pages 506-511; G. RODRIGUEZ et al.: "High-power ultrasonic equipment for industrial defoaming"

Cited by

FR2791912A1; US5299175A; EP1914717A4; US11521590B2; WO9105331A1

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DOCDB simple family (publication)

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