

Title (en)

Apparatus for generating soundwaves with predetermined sound-lobe

Title (de)

Einrichtung zur Erzeugung von Schallwellen mit vorgegebener Schallkeule

Title (fr)

Dispositif pour générer des ondes acoustiques à lobe acoustique prédéterminée

Publication

**EP 1039445 A3 20020109 (DE)**

Application

**EP 00105222 A 20000313**

Priority

DE 19913871 A 19990326

Abstract (en)

[origin: EP1039445A2] An ultrasonic transducer (W) is used to produce sound waves with a rotationally symmetrical beam lobe. At least one scattering body (4) is positioned in the direction of sound propagation within the Fresnel zone of the ultrasonic transducer. The scattering body may be elongate in shape and positioned at right angles to the direction of sound propagation. Various other shapes are also claimed.

IPC 1-7

**G10K 11/26**

IPC 8 full level

**G10K 11/26** (2006.01)

CPC (source: EP)

**G10K 11/26** (2013.01)

Citation (search report)

- [X] US 5185728 A 19930209 - GILCHRIST IAN R [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 358 (P - 522) 2 December 1986 (1986-12-02)

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