

Title (en)  
RADIAL PICKUP MICROPHONE ENCLOSURE

Title (de)  
RADIALAUFNAHME-MIKROFONGEHÄUSE

Title (fr)  
BOITIER DE MICROPHONE A CAPTEUR RADIAL

Publication  
**EP 1062837 A1 20001227 (EN)**

Application  
**EP 99907196 A 19990309**

Priority  
• CA 9900186 W 19990309  
• US 7736698 P 19980309

Abstract (en)  
[origin: WO9946956A1] A sound pressure waveguide consisting of an input acoustic channel, a compression zone and exit channel with an optional termination baffle. The shape and length of the waveguides are varied to adjust sound pressure gain and to achieve varied sound pickup directivity. The shape and length of the termination baffle, when employed, is also adjustable to achieve varied directivity. The waveguide is shaped from at least two opposing members or sides and at least one sloped member or side. The mounting position of one or more commercially available microphone transducer(s) puts the transducer's diaphragm substantially parallel to the sound path through the waveguide pressure channel. The exit channel is included to let sound pressure pass by the microphone to the pressure channel and through the waveguide to an optional termination baffle, thus preventing significant pressure distortion, sound pressure propagation distortion and undesirable reflections.

IPC 1-7  
**H04R 1/34**

IPC 8 full level  
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Citation (search report)  
See references of WO 9946956A1

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