

Title (en)  
System for attenuation of noise

Title (de)  
Rauschdämpfersystem

Title (fr)  
Système pour l'atténuation du bruit

Publication  
**EP 0777404 B1 20010912 (EN)**

Application  
**EP 96308839 A 19961205**

Priority  
• EP 96308839 A 19961205  
• EP 96201999 A 19960717  
• IL 11627495 A 19951207

Abstract (en)  
[origin: EP0777404A1] A noise attenuation system for use with sound receiving devices, including first and second relatively small optical microphone devices having at least one sound responsive membrane operative to produce an output signal in accordance with sound waves picked up by the optical microphone devices, at least one pair of light guides affixed to the first or second optical microphone devices, the pair of light guides each having an input end portion and an output end portion, the input end portion of a first light guide is connectable to a source of light and the output end portion of the second light guide is connectable to a light intensity detecting means. Each of the output portion of the first light guide and input end portion of the second light guide has an axis and a rim and is oriented with respect to each other to include an angle between the axes, and each of the light guide rims is cut at an angle with respect to the axis of its light guide. In operation, the intensity of light reflected by the membrane and detected by the light intensity measuring means, represents the difference in sound intensities picked up by the first and second optical microphone devices. <IMAGE>

IPC 1-7  
**H04R 23/00**

IPC 8 full level  
**H04R 1/38** (2006.01); **H04R 3/00** (2006.01); **H04R 23/00** (2006.01)

CPC (source: EP)  
**H04R 1/38** (2013.01); **H04R 3/005** (2013.01); **H04R 23/008** (2013.01); **H04R 2201/403** (2013.01)

Citation (examination)  
EP 0716291 A2 19960612 - PHONE OR LIMITED [IL]

Cited by  
EP1239698A4; US7391976B2; WO0247434A3

Designated contracting state (EPC)  
CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**EP 0777404 A1 19970604; EP 0777404 B1 20010912**; DE 69615129 D1 20011018; DE 69615129 T2 20020905; ES 2162984 T3 20020116

DOCDB simple family (application)  
**EP 96308839 A 19961205**; DE 69615129 T 19961205; ES 96308839 T 19961205