

Title (en)

OPTICAL MICROPHONE ELEMENT AND OPTICAL MICROPHONE

Title (de)

OPTISCHE MIKROFONEINHEIT UND OPTISCHES MIKROFON

Title (fr)

ELEMENT DE MICROPHONE OPTIQUE ET MICROPHONE OPTIQUE

Publication

**EP 1152638 A1 20011107 (EN)**

Application

**EP 00966509 A 20001016**

Priority

- JP 0007162 W 20001016
- JP 29422199 A 19991015

Abstract (en)

An optical microphone element comprising a diaphragm (31) vibrating with sound pressure, a case (40) containing the diaphragm (31) and having first and second openings (38, 39) made in symmetric positions and facing the diaphragm (31), a light source (32) for irradiating the diaphragm (31) with a light beam, and a photodetector (35) for receiving the light beam reflected by the diaphragm (31) and outputting a signal corresponding to vibration of the diaphragm (31). <IMAGE>

IPC 1-7

**H04R 23/00**; G02F 1/11

IPC 8 full level

**H04R 23/00** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP)

**H04R 23/008** (2013.01); **H04R 25/402** (2013.01)

Citation (search report)

See references of WO 0128286A1

Cited by

CN112932455A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0128286 A1 20010419**; EP 1152638 A1 20011107; JP 2001119796 A 20010427

DOCDB simple family (application)

**JP 0007162 W 20001016**; EP 00966509 A 20001016; JP 29422199 A 19991015