

Title (en)

MICROPHONE EQUIPPED WITH A RANGE FINDER

Title (de)

MIKROFON MIT EINEM ENTFERNUNGSMESSER

Title (fr)

MICROPHONE POURVU D'UN TELEMETRE

Publication

**EP 1362497 A1 20031119 (EN)**

Application

**EP 02700906 A 20020220**

Priority

- NO 0200071 W 20020220
- NO 0100064 W 20010221
- NO 20015985 A 20011206

Abstract (en)

[origin: WO02074010A1] A microphone is equipped with an element (13) for measuring the distance to a sound emitter, for example the face of an artist. The distance measurement element (13) can be part of the acousto-electric transducer (7) of the microphone, and it can be a piezo-electric ultrasound echo range finder (15, 16).

IPC 1-7

**H04R 17/02**

IPC 8 full level

**H04R 17/00** (2006.01); **G01S 7/521** (2006.01); **G01S 15/10** (2006.01); **G01S 15/88** (2006.01); **G01S 17/88** (2006.01); **H04R 3/00** (2006.01); **H04R 17/02** (2006.01)

CPC (source: EP)

**G01S 15/88** (2013.01); **G01S 17/88** (2013.01); **H04R 3/00** (2013.01); **H04R 17/02** (2013.01)

Citation (search report)

See references of WO 02074010A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 02074010 A1 20020919**; CA 2439087 A1 20020919; CN 1628485 A 20050615; EP 1362497 A1 20031119; JP 2004526150 A 20040826; NO 20015985 D0 20011206; NO 20015985 L 20020822; NO 316560 B1 20040202

DOCDB simple family (application)

**NO 0200071 W 20020220**; CA 2439087 A 20020220; CN 02805300 A 20020220; EP 02700906 A 20020220; JP 2002571746 A 20020220; NO 20015985 A 20011206