

Title (en)
Microphone

Title (de)
Mikrofon

Title (fr)
Microphone

Publication
EP 1098547 A3 20020911 (EN)

Application
EP 00309481 A 20001027

Priority
JP 816999 U 19991027

Abstract (en)
[origin: EP1098547A2] There is provided a microphone which does not require a capsule and is made small, and whose production cost is reduced. There is also provided a microphone utilizing optical signals for surface mounting, in which the light emission element and the light-receiving element are hardly broken due to the heat at the time of soldering. Specifically, a membrane frame and a membrane support disposed on a substrate are bonded, the membrane support and a sidewall of the membrane frame are designated as a microphone sidewall, and an upper face of the membrane frame is designated as a microphone top plate. Diameter of the substrate is made larger than that of the membrane support, and a soldering terminal on the substrate is disposed between the membrane support and the substrate end face. <IMAGE>

IPC 1-7
H04R 1/08; H04R 23/00

IPC 8 full level
H04R 23/00 (2006.01)

CPC (source: EP)
H04R 23/008 (2013.01)

Citation (search report)

- [Y] US 5138656 A 19920811 - SHANES ABRAHAM [US]
- [PYPA] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 284 (E - 217) 17 December 1983 (1983-12-17)

Designated contracting state (EPC)
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EP 1098547 A2 20010509; EP 1098547 A3 20020911; JP 3068528 U 20000512

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EP 00309481 A 20001027; JP 816999 U 19991027