

Title (en)
MICROPHONE

Title (de)
MIKROFON

Title (fr)
MICROPHONE

Publication
EP 1125471 A1 20010822 (DE)

Application
EP 99953865 A 19991016

Priority
• DE 19850298 A 19981030
• EP 9907869 W 19991016

Abstract (en)
[origin: WO0027165A1] The invention relates to a microphone comprising a membrane having a front membrane that is impacted by the sound waves and at least one back membrane area that is acoustically separated at least partially from the front membrane area, in addition to a sound inlet through which the sound waves can reach the back membrane area. According to the invention, in order to improve the heavily frequency-dependent frequency response curve of microphone directivity in said microphone, at least one damping element is included in said microphone and an acoustic inductance is substantially formed by the slot-shaped sound inlet so that at least part of the sound waves to be picked up are directed in a delayed manner to the back membrane area.

IPC 1-7
H04R 1/38

IPC 8 full level
H04R 1/38 (2006.01)

CPC (source: EP US)
H04R 1/38 (2013.01 - EP US)

Citation (search report)
See references of WO 0027165A1

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 0027165 A1 20000511; AT E230916 T1 20030115; DE 19850298 C1 20000824; DE 59903998 D1 20030213; EP 1125471 A1 20010822; EP 1125471 B1 20030108; US 7079663 B1 20060718

DOCDB simple family (application)
EP 9907869 W 19991016; AT 99953865 T 19991016; DE 19850298 A 19981030; DE 59903998 T 19991016; EP 99953865 A 19991016; US 83075601 A 20011127