

Title (en)  
Polarization voltage setting of microphones

Title (de)  
Einstellung der Polarisationsspannung von Mikrofonen

Title (fr)  
Réglage de la tension de polarisation de microphones

Publication  
**EP 1585365 A1 20051012 (EN)**

Application  
**EP 04450073 A 20040330**

Priority  
EP 04450073 A 20040330

Abstract (en)  
The invention relates to a capacitor microphone comprising at least one microphone capsule (9). <??>The invention is characterized in that the capacitor microphone comprises at least one circuit for regulating the polarization voltage, where the circuit for the regulation of the polarization voltage comprises an analog regulation loop (48) supplied with an unregulated voltage, and a digital regulation loop (47), in that the digital regulation loop (47) comprises a control electronics (39), for example a microcontroller or a CPLD, that provides, to the analog regulation loop (48), a desired value for the polarization voltage, which is calculated using correction factors, and in that, for the purpose of feedback, the output of the analog regulation loop (48) is connected with a control electronics (39).

IPC 1-7  
**H04R 19/04**; **H04R 3/06**

IPC 8 full level  
**H04R 3/06** (2006.01); **H04R 19/00** (2006.01); **H04R 19/04** (2006.01)

CPC (source: EP)  
**H04R 19/04** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1585365 A1 20051012**; **EP 1585365 B1 20110810**; AT E520263 T1 20110815; CN 1678134 A 20051005; CN 1678134 B 20120215; JP 2005287000 A 20051013; JP 4662782 B2 20110330

DOCDB simple family (application)  
**EP 04450073 A 20040330**; AT 04450073 T 20040330; CN 200510002548 A 20050120; JP 2005013410 A 20050120