

Title (en)

Power supply of phantom power supplied microphones

Title (de)

Stromversorgung von phantomgespeisten Mikrofonen

Title (fr)

Dispositif d'alimentation de microphones à alimentation fantôme

Publication

EP 1585360 A1 20051012 (EN)

Application

EP 04450075 A 20040330

Priority

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Abstract (en)

The invention relates to a microphone comprising at least one microphone capsule (9), at least one audio amplifier (10), and at least one additional power receiver, selected from the group of processors, control electronics (39), A/D and D/A converters (44, 46), LED displays (25), etc., and whose energy supply occurs from a phantom power unit (31) through the cable conductors (1, 2) of the audio cable, the so-called phantom power supply, and which capacitor microphone comprises a power supply circuit for the individual power receivers. <??>The invention is characterized in that the power supply circuit (11) comprises a control unit (12) that converts the direct current transmitted via the cable conductors (1, 2) of the audio cable into an alternating current, a transformer (13) connected to the control unit (12), and supply loops (15, 16, 17) for the individual power receivers, where supply loops (15, 16, 17) are inductively coupled by means of separate windings on the transformer (13) to the alternating current generated by the control unit (12) and to each other. <IMAGE>

IPC 1-7

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IPC 8 full level

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H04R 1/04 (2013.01)

Citation (search report)

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