

Title (en)
REPRODUCTION ERRORS COMPENSATION DEVICE FOR ELECTROACOUSTIC TRANSDUCERS

Publication
EP 0145997 A3 19870930 (DE)

Application
EP 84114089 A 19841122

Priority
• DE 3343027 A 19831128
• DE 3418047 A 19840515

Abstract (en)
[origin: US4675835A] In order to compensate reproduction errors in electroacoustic transducers (W), for example electrodynamic loud-speakers, microphones and pickup systems, computer circuits are used. In a digital computer circuit, the electrical input signals (U1) are converted into altered output signals (U2) according to the inherent properties of the transducer (W), stored in a memory (PROM), with the aid of a programme, which is likewise stored. When analogue computer circuits are used, the complex inherent response of the converter (W) in respect of the amplitude/frequency response and phase/frequency response is approximated mathematically in a closed, inverse form, and the resulting function is simulated with the aid of integrators (B), summing elements (S), inverters (I) and adjusting members (P).

IPC 1-7
H04R 3/04

IPC 8 full level
H04R 3/04 (2006.01)

CPC (source: EP US)
H04R 3/04 (2013.01 - EP US)

Citation (search report)
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JP H07114519 B2 19951206; JP S60134699 A 19850717; US 4675835 A 19870623

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