

Title (en)

Method of adapting the acoustic volume and the second-order high-pass filter of a loudspeaker chassis

Title (de)

Verfahren zur Anpassung des akustischen Volumens und des Hochpassfilters 2. Ordnung eines Lautsprecher-Chassis

Title (fr)

Procédé d'adaptation du volume acoustique et du filtre passe-haut d'ordre deux d'un chassis à haut-parleur

Publication

**EP 0568721 B1 19971210 (DE)**

Application

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Priority

EP 92107794 A 19920508

Abstract (en)

[origin: EP0568721A1] Loudspeaker in a closed enclosure. Conventional passive loudspeaker systems exhibit very large enclosures for a clean base reproduction which extends to low frequencies. Active electronic correcting systems are expensive and can only be used when loudspeaker and electronics are paired correctly. The novel passive loudspeaker system is intended to achieve at the same time predetermined frequency response characteristic, small enclosures and clean base reproduction which extends to a low frequency. The low range speaker is operated in connection with an enclosure tuned to its parameters and a tuned passive high-pass filter of at least 2nd degree. These measures result in a low cut-off frequency and small enclosure for particular acoustically advantageous frequency response characteristics. The novel loudspeaker system is particularly of interest in the field of small speakers suitable for the living room. <IMAGE>

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