

Title (en)

Loudspeaker and enclosure system with digital encoding phase shifted crossover network and self contained digital power drive system, and a modular method of utilizing moulded inserts.

Title (de)

Lautsprecher- und Gehäusesystem mit digitalem codierendem phasenverschiebendem Aufteilungsfilter und selbständigem digitalem Leistungsstufensystem und modulare Methode zur Anwendung gegossener Einschübe.

Title (fr)

Système de haut-parleur et d'enceinte avec un réseau de recouvrement déphaseur codeur numérique et un système autonome numérique de puissance et une méthode modulaire d'utilisation d'unités d'insertion moulées.

Publication

EP 0040281 A1 19811125 (EN)

Application

EP 80400691 A 19800520

Priority

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Abstract (en)

A loud speaker and enclosure system that has improved acoustical properties, comprises a cubical frame (12) composed of two sidewalls (21, 22), a top (18) and a bottom (20), having an open front and back. The frame (12) is made of substantially rigid material. The backwall is closed by means of a panel (23) of styro-foam. An acoustical horn (14) in the form of a truncated square pyramid is molded from foamed plastic and is of such size as to be fitted into the inner space of the frame with the wide end of the pyramid at the front end of the frame. Means are (42, 44) provided at the corners of the pyramid, for attachment to the frame (12). Along the walls (36) of the horn (14) there is a space (29) between the walls (36) of the horn (14) and the walls (18, 20, 21, 22) of the frame (12), of selected dimension. At the small end of the horn (14) is a transverse wall (40), which has a circular opening (38). A low frequency, large diameter, cone type speaker (52) is fastened to this wall (40), mounted inside of the horn (14), with the cone facing toward the back of the frame. A structure (60), is mounted to the loud speaker (52) and supports one or more higher frequency, smaller speakers (66, 68A, 68B), which are faced toward the front of the frame.

IPC 1-7

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IPC 8 full level

H04R 1/02 (2006.01); **H04R 1/28** (2006.01)

CPC (source: EP)

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Citation (search report)

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