

Title (en)
MONOLITHIC CLASS D AMPLIFIER

Title (de)
MONOLITHISCHER KLASSE-D VERSTÄRKER

Title (fr)
AMPLIFICATEUR MONOLITHE DE CLASSE D

Publication
EP 0830728 A2 19980325 (EN)

Application
EP 96919080 A 19960605

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- US 47285995 A 19950607

Abstract (en)
[origin: WO9641412A2] A monolithic integrated circuit (1.75) is mounted in a speaker cabinet (1.71) to drive the voice coil (1.74) of the speaker (1.70). The monolithic integrated circuit may be a class D amplifier (1.10), and is at least a half-bridge or full bridge power MOSFET device. Structures and process for forming the mos switching devices (2.20) of the bridge driver circuits are disclosed. Also disclosed is the N+ buried layer (4.14) of the QVDMOS transistors (4.43) of the bridge circuits.

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H03F 3/217; H01L 29/423

IPC 8 full level
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