

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**

Priority

- US 9608826 W 19960605
- US 47455995 A 19950607
- US 48369195 A 19950607
- US 48369295 A 19950607
- 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.

IPC 1-7  
**H03F 3/217; H01L 29/423**

IPC 8 full level  
**H01L 27/06** (2006.01); **H01L 27/088** (2006.01); **H01L 29/06** (2006.01); **H01L 29/10** (2006.01); **H01L 29/417** (2006.01); **H01L 29/78** (2006.01); **H01L 29/45** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 9641412A2

Designated contracting state (EPC)  
DE ES FR GB IE IT

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