

Title (en)

POWER AMPLIFIER MODULE FOR A SHAKER.

Title (de)

LEISTUNGSVERSTÄRKERMODUL FÜR EINEN RÜTTLER.

Title (fr)

MODULE D'AMPLIFICATION DE PUISSANCE POUR AGITATEUR.

Publication

EP 0266394 A4 19880907 (EN)

Application

EP 87902937 A 19870325

Priority

US 85558786 A 19860423

Abstract (en)

[origin: WO8706781A1] A solid state power amplifier module (10) to power a shaker. The module is comprised of a full-wave bridge switching circuit (40) (41) and a filter circuit (42). An input signal from an external source gates the switching circuits, wherein a DC voltage source is switched to the output of the amplifier in accordance with the gating control. The switches (43-46) are comprised of a plurality of parallel MOSFETs. The output of the switching circuits are processed by an L-C filter circuit (55-57) (62). The module is designed to allow a plurality of these modules to be connected in parallel for additional current capability. Inherent in this module design is an out-of saturation detection for current limiting detection.

IPC 1-7

H03F 3/185

IPC 8 full level

H03F 3/30 (2006.01)

CPC (source: EP)

H03F 3/217 (2013.01); **H03F 3/3081** (2013.01)

Citation (search report)

- [A] US 4571551 A 19860218 - TRAGER WESLEY H [US]
- [X] ELEKTRONIK, vol. 35, no 4, 21st February 1986, pages 92-94, Munich, DE; G. PELTZ: "PWM-Endverstärker hoher Leistung für NF und Gleichstrom"
- [A] JOURNAL OF THE AUDIO ENGINEERING SOCIETY, vol. 11, no. 1, January 1963, pages 34-40, New York, US; R.S. BURWEN: "1 kilowatt transistor audio amplifier"
- See references of WO 8706781A1

Designated contracting state (EPC)

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