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The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

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Andres Ibanez

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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(12) **United States Patent**
Chen

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(54) **GROUNDING STRUCTURE AND
GROUNDING METHOD OF VACUUM TUBE
AUDIO AMPLIFIER**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(58) **Field of Classification Search**
None

See application file for complete search history.

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(57) **ABSTRACT**

The invention provides a grounding structure and a ground-
ing method for a vacuum tube audio amplifier, the grounding
structure and the grounding method including: with respect
to a power source, utilizing a power circuit without a choke,
an anti-coupling circuit, and a filament voltage regulator
circuit; and with respect to the grounding method, utilizing
an negative output terminal of an audio output transforming
circuit or a negative terminal of a filter capacitor in the
power circuit as a single ground terminal of the vacuum tube
audio amplifier, and not arranging a grounding metal bottom
plate therein, in order to achieve a compact, lightweight
desktop model of a vacuum tube audio amplifier.

14 Claims, 10 Drawing Sheets

