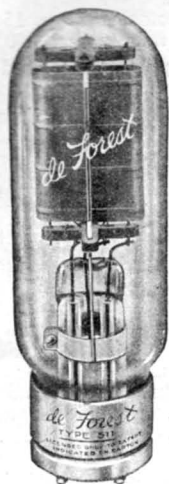


All Worthy of The Name



Audion 511

De Forest
REG. U. S. PAT. OFF.

The De Forest reputation for engineering skill and painstaking precision has been zealously guarded in the production of all De Forest receiving and transmitting Audions. The De Forest Engineering staff is continually bringing out new developments which will be announced from time to time in this publication.

*The new D. C.
Screen Grid
Audion for
Portable Sets*



Audion 422A

Transmitting Audions

- 510**—15 Watt Oscillator
- *503A**—50 Watt Oscillator and R. F. Power Amplifier
- *511**—50 Watt Oscillator, R. F. Amplifier, Modulator or R. F. Power Amplifier
- *545**—50 Watt A. F. Amplifier and Modulator
- 552**—75 watt Oscillator and R. F. Amplifier
- 504A**—250 watt Oscillator, Modulator or R. F. Power Amplifier
- 500**—500 watt Special Oscillator
- 520B**—5000 watt Oscillator and R. F. Power Amplifier—water cooled
- 565**—7½ watt Screen Grid R. F. Amplifier
- 560**—75 watt Screen Grid R. F. Amplifier
- 561**—500 watt Screen Grid R. F. Amplifier
- *566**—A half-wave hot cathode, mercury vapor rectifier. Medium Current.
- 572**—A half-wave hot cathode, mercury vapor rectifier. Heavy Current.
- 601**—Vision Neon lamp.
- 602**—Photo Electric Cell.

422—Long life, oxide-coated filament which insures ample emission. Interchangeable with standard—22 type tubes but with a higher actual gain per stage because of lower plate resistance and high mutual conductance. Non-microphonic because of special design of filament and rigidly supported elements.

***422A**—Valuable for portable installations. Filament rating .06 amp. at 3.3 volts. Operating characteristics and life same as 422.

***499**—Non-microphonic long-life—99 type tube. Valuable for portable work. Sturdy and uniform. Containing the special oxide-coated filament standard with all De Forest receiving Audions.

***503A**—An improved “50 watter” interchangeable with standard—03A types. Especially valuable as a medium power, self-excited oscillator or radio frequency power amplifier.

***511**—Audion 511 is similar in construction to 503-A but also suitable as an audio-frequency amplifier as well as an oscillator and radio frequency power amplifier. Interchangeable with standard—11 types.

***545**—Designed especially as a modulator or audio-frequency power amplifier. Interchangeable with standard—45 type Transmitting tubes.

***566**—A high grade hot-cathode mercury vapor rectifier. Especially designed to prevent breakdown between anode and filament. Filament rating 2.50 volts at 5 amps. Max. inverse peak, 7500 volts.

*For further information consult
your local dealer or address—*

De Forest Radio Co.
Passaic New Jersey

Receiving Audions

- 401A**—Detector-Amplifier
- 410**—Power Amplifier
- 412A**—Detector-Amplifier, Power Amplifier.
- *422**—Standard D. C. Screen Grid Amplifier.
- *422A**—A 60 m. a. D. C. Screen Grid Det.-Amp.
- 424**—A. C. Screen Grid Amplifier.
- 426**—Amplifier (A. C. Fil)
- 427**—Detector - Amplifier (A. C. Heater Type)
- 440**—High Mu Audion
- 445**—A. C. Power Amplifier
- 471A**—Power Amplifier, Last Audio Stage
- 471B**—Power Amplifier, Last Audio Stage
- 480**—Full-Wave Rectifier (125 M. A.)
- 481**—Half-Wave Rectifier (110 M. A.)
- 450**—Power Amplifier
- *499**—60 m. a. General Purpose