

Title (en)

Miniature rare gas discharge lamp electrode and method of making.

Title (de)

Elektrode für Miniatur-Edelgasentladungslampe und Verfahren zur Herstellung.

Title (fr)

Electrode pour lampe à décharge miniature contenant un gaz inerte et méthode de fabrication.

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Application

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Priority

US 21915094 A 19940329

Abstract (en)

A method of making a miniature neon lamp electrode (10) having lead (12), can (20), and an emitter coating (40) is disclosed. A needle (44) with a quantity of emitter material (13) is advanced into a sleeve (20). The needle is then spun at high speed to deposit the emitter material (13) on the inside wall of the sleeve (20). The sleeve (20) is then coaxially crimped to a lead (12), forming a narrow entrance hollow cathode having an even and specifically positioned emitter coating (40). The method of making a miniature neon lamp electrode (10) yields a miniature neon lamp electrode (10) capable of withstanding a long life, with many starts, while producing an accurately position arc.

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