

Title (en)
DIMMABLE AMALGAM LAMP AND METHOD FOR OPERATING THE AMALGAM LAMP WHILE DIMMED

Title (de)
DIMMBARE AMALGAMLAMPE UND VERFAHREN ZUM BETREIBEN DER AMALGAMLAMPE BEI DIMMUNG

Title (fr)
LAMPE À AMALGAME À INTENSITÉ LUMINEUSE VARIABLE ET PROCÉDÉ DE FONCTIONNEMENT D'UNE LAMPE À AMALGAME EN MODE ÉCLAIRAGE RÉDUIT

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Application
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Priority

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Abstract (en)
[origin: CA2753011A1] The invention relates to a dimmable amalgam lamp having a quartz glass tube enclosing a discharge chamber comprising a filling gas, and closed by pinching at both ends thereof, through which at least one current feedthrough is fed through one helical electrode each in the discharge chamber, wherein at least one of the pinches comprises a hollow space comprising an opening to the discharge chamber for receiving a stock of amalgam that can be tempered by means of the helical electrode. In order to disclose a method for operating the amalgam lamp on said basis, ensuring a high efficiency of UV-C radiation even when dimmed, the invention proposes that the current feedthrough comprises an outgoing wire to the helical electrode and a return wire for an additional current I_{add}, and that the additional current I_{add} is adjusted as a function of the level of the actual lamp current I_{lst}.

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