

Title (en)
Discharge lamp and electrode therefor

Title (de)
Entladungslampe und hierfür geeignete Elektrode

Title (fr)
Lampe à décharge et electrode pour ladite lampe

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Application
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Abstract (en)
The electrode for discharge lamp of the invention is that a cylindrical container 1 opening at one side is provided, and electron emission materials 2 are supported therein, the container 1 and the electron emission materials 2 are main elements of compound oxides containing, as metallic elemental components, a first component comprising at least one kind of Ba, Sr and Ca, a second component comprising at least one kind of Zr and Ti, and a third component comprising at least one kind of Ta and Nb and/or compound oxides containing nitrogen. The present electrode for discharge lamp is that the content percentage of the first component in exposed faces of the electron emission materials 2 seen from the opening side of the container 1 is higher than content percentage of the first component in an end face of the opening side of the container 1. Further, the electron emission materials are porous ones having percentage of void being 45 to 80%. <IMAGE>

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