

Title (en)  
ELECTRODE FOR A PLASMA BURNER

Title (de)  
ELEKTRODE FÜR EINEN PLASMA-BRENNER

Title (fr)  
ELECTRODE POUR TORCHE A PLASMA

Publication  
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Application  
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Abstract (en)  
[origin: WO2010037380A2] The invention relates to an electrode for a plasma burner, comprising a long electrode holder with a front surface on the tip of the electrode, and a borehole in the tip of the electrode along a central axis through the electrode holder, and an emission inset arranged in the borehole in such a way that an emission surface is separate from the emission inset. The invention is characterised in that the emission surface is set back from the front surface of the electrode holder. The invention also relates to an electrode for a plasma burner, comprising an electrode receiving element and an electrode holder, the electrode receiving element comprising an inner thread and the electrode holder comprising an outer thread and an annular ring in a groove in the cylindrical outer surface. The electrode holder is screwed to the electrode receiving element by the outer thread and the inner thread and is sealed by the annular ring. The invention also relates to a plasma burner comprising such electrodes.

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