

Title (en)  
Infra-red burner system for furnaces.

Title (de)  
Infrarotsystem für Ofenbrenner.

Title (fr)  
Système à infrarouge pour brûleur de four.

Publication  
**EP 0284209 A1 19880928 (EN)**

Application  
**EP 88301584 A 19880224**

Priority  
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• AU 1230088 A 19880225

Abstract (en)  
A gas burner assembly for a baking furnace is described. It includes a burner tube (13) having an open outer end (15) and an open inner end (14), with the inner (14) end being arranged to extend through an opening (12) in a furnace wall. A connector (22) is provided for connecting the burner tube to a fuel supply and an infra-red pyrometer (17) is mounted at the outer end of the tube (13). The pyrometer (17) is axially aligned with the burner tube (13) such that in use the pyrometer (17) is sighted axially through the burner tube (13) and onto an internal furnace wall. This gas burner assembly is particularly useful for heating the flue of a ring furnace used in the production of carbon anodes in the aluminum industry.

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• [X] US 2963353 A 19601206 - BOIS EASTMAN DU  
• [A] EP 0064609 A1 19821117 - BERGWERKSVERBAND GMBH [DE]  
• [A] DE 2505335 A1 19760819 - LEISENBERG MANFRED  
• [AD] US 4354828 A 19821019 - BENTON CHARLES M, et al  
• [A] US 4547145 A 19851015 - JAHNKE FREDERICK C [US]

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