

Title (en)  
Heating appliance.

Title (de)  
Heizungsgerät.

Title (fr)  
Appareil de chauffage.

Publication  
**EP 0232990 A1 19870819 (EN)**

Application  
**EP 87300461 A 19870120**

Priority  
DE 3601457 A 19860120

Abstract (en)  
To obtain more uniform heating of a radiator tube (2), heated internally by gases from a gas burner (4), the tube is provided, in a first longitudinal portion (11), with a multi-walled construction wherein an inner tube (7, 10) is disposed in the portion (11) co-axially to and with radial spacing from an outer tube (8), and only the inner tube (7, 10) is acted upon by heating gases from the burner (4), there being a continuous gap (9) formed between the inner tube (7, 10) and outer tube (8) that opens freely into the outside air at one end.

IPC 1-7  
**F24D 5/08**

IPC 8 full level  
**F24D 5/08** (2006.01)

CPC (source: EP)  
**F24D 5/08** (2013.01)

Citation (search report)  
• [XD] US 4529123 A 19850716 - JOHNSON ARTHUR C W [US]  
• [Y] EP 0164221 A1 19851211 - COLT INT HOLDINGS [CH]  
• [A] EP 0070360 A2 19830126 - PHOENIX BURNERS [GB], et al

Cited by  
US2016215973A1; US6138662A; FR2653536A1; WO9610720A1; WO9106810A1

Designated contracting state (EPC)  
AT BE CH DE FR GB LI LU NL

DOCDB simple family (publication)  
**EP 0232990 A1 19870819; EP 0232990 B1 19900509**; AT E52609 T1 19900515; DE 3601457 A1 19870723; DE 3762683 D1 19900613

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