

Title (en)
Gas burner unit for radiant tube heater.

Title (de)
Gasbrenner-Einheit für Strahlungsrohrheizung.

Title (fr)
Bloc brûleur à gaz pour appareil de chauffage à tube radiant.

Publication
EP 0391818 A1 19901010 (FR)

Application
EP 90420170 A 19900404

Priority
FR 8904869 A 19890407

Abstract (en)
Radiant-tube gas-operated heater. Gas burner unit for radiant tube heater, of the type comprising a burner group (12) arranged on a casing (10) delimiting a mixing and combustion chamber (14) extended by a sleeve (16) for connection of a radiant tube, characterised in that: the casing (10) forms a flange (15) for mounting a support case (11), and comprises in its mixing and combustion chamber (14) a centring crossmember (23), the case (11) comprises a chamber (44) for admission of primary air and a protection compartment (45), and the burner group (12) comprises a support (48) bearing a feed electrovalve (49) and a burner (62) which has a combustion head (24) which is centred and supported by the crossmember. Application in heaters with pin-type tube. <IMAGE>

IPC 1-7
F24D 5/08

IPC 8 full level
F23D 14/04 (2006.01); **F23D 14/08** (2006.01); **F23D 14/12** (2006.01); **F23D 14/26** (2006.01); **F23D 14/64** (2006.01); **F23D 14/74** (2006.01); **F24D 5/08** (2006.01)

CPC (source: EP KR)
F23D 14/08 (2013.01 - EP KR); **F23D 14/126** (2021.05 - KR); **F23D 14/26** (2013.01 - EP KR); **F24D 5/08** (2013.01 - EP KR)

Citation (search report)
• [A] EP 0248629 A2 19871209 - AMBI RAD LTD [GB]
• [A] FR 2609157 A1 19880701 - DELEAGE PIERRE [FR]
• [A] FR 2560359 A1 19850830 - LAURENT FRANCOIS [FR]
• [A] FR 2223630 A1 19741025 - DREIZLER WALTER [DE]

Cited by
EP1729063A1; RU184644U1; EP3346198A1; CN108224424A; IT201600126485A1; US8568021B2; US9080777B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0391818 A1 19901010; **EP 0391818 B1 19920715**; AT E78329 T1 19920815; CA 2014218 A1 19901007; DE 69000192 D1 19920820; DE 69000192 T2 19930211; DK 0391818 T3 19920824; ES 2034846 T3 19930401; FR 2645627 A1 19901012; FR 2645627 B1 19910719; GR 3005221 T3 19930524; JP H02267408 A 19901101; JP H0379604 B2 19911219; KR 100193283 B1 19990615; KR 900016679 A 19901114

DOCDB simple family (application)
EP 90420170 A 19900404; AT 90420170 T 19900404; CA 2014218 A 19900409; DE 69000192 T 19900404; DK 90420170 T 19900404; ES 90420170 T 19900404; FR 8904869 A 19890407; GR 920401551 T 19920716; JP 14817289 A 19890609; KR 900004627 A 19900404