

Title (en)
ELECTRIC RESISTANCE HEATER FOR HEATING A GASEOUS MIXTURE

Publication
EP 0117201 B1 19860409 (FR)

Application
EP 84400304 A 19840215

Priority
FR 8302763 A 19830221

Abstract (en)
[origin: US4577093A] The high-power electric heating device is capable of heating gas mixtures such as a mixture of hydrocarbons and hydrogen to temperatures and pressures attaining 900 DEG C. and 60 bar respectively. A central duct connects the gas mixture inlet to the outlet and is constituted by a plurality of superposed independently removable modules. Each module comprises a plurality of electric resistance elements formed by banks of adjacent metallic strips. A peripheral zone of the device contains power supply conductors connected to the modules. By means of passages in the form of slits between the central duct and the peripheral zone, a small fraction of the gas stream is permitted to flow within the peripheral zone.

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F24H 3/04

IPC 8 full level
B01J 19/14 (2006.01); **B01J 19/00** (2006.01); **F24H 3/04** (2006.01)

CPC (source: EP US)
F24H 3/0405 (2013.01 - EP US)

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AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0117201 A1 19840829; EP 0117201 B1 19860409; AT E19147 T1 19860415; AU 2473384 A 19840830; AU 560633 B2 19870409; CA 1215736 A 19861223; DE 117201 T1 19850117; DE 3460078 D1 19860515; FR 2541436 A1 19840824; FR 2541436 B1 19850517; JP S59166240 A 19840919; US 4577093 A 19860318; ZA 841123 B 19840926

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EP 84400304 A 19840215; AT 84400304 T 19840215; AU 2473384 A 19840220; CA 447443 A 19840215; DE 3460078 T 19840215; DE 84400304 T 19840215; FR 8302763 A 19830221; JP 2966784 A 19840221; US 58104584 A 19840217; ZA 841123 A 19840215