

Title (en)

Intermediate channel for a device feeding fuel and a combustion-supporting medium to a pulsating combustion chamber.

Title (de)

Zwischenkanal für eine Vorrichtung zur Brennstoff- und Brennmittelzufuhr von einer mit pulsierender Verbrennung arbeitenden Brennkammer.

Title (fr)

Canal intermédiaire pour un dispositif d'alimentation d'une chambre de combustion pulsatoire en carburant ou en comburant.

Publication

**EP 0161954 A1 19851121 (FR)**

Application

**EP 85400606 A 19850328**

Priority

FR 8404919 A 19840329

Abstract (en)

[origin: US4634371A] An intermediary chamber associated to a device for feeding a pulsatory combustion chamber with fuel and comburent includes a heat tube 165 defining with the inner channel wall 125 a recirculation zone for the burnt gases issuing from the combustion chamber. The intermediary channel located between the combustion chamber for pulsatory combustion of a mixture of fuel and a combustive agent and an injection chamber includes the heat tube being directly communicated with the combustion chamber, wherein an internal wall of the intermediary channel and an outer surface of the heat tube define a recirculation zone for the recirculation of burn gases issuing from the combustion chamber, the recirculation zone being at least partially open at an upper end thereof.

Abstract (fr)

Canal intermédiaire pour un dispositif d'alimentation d'une chambre de combustion pulsatoire en comburant et en carburant. Il comporte un tube de chaleur (70) qui définit, avec sa paroi intérieure (125) une zone de recirculation pour les gaz brûlés en provenance de la chambre de combustion. Application à la combustion pulsatoire.

IPC 1-7

**F23C 11/04**

IPC 8 full level

**F23C 15/00** (2006.01)

CPC (source: EP US)

**F23C 15/00** (2013.01 - EP US)

Citation (search report)

- [X] DE 2508770 A1 19760909 - HUBER LUDWIG DIPL ING DR ING
- [A] DE 1149335 B 19630530 - RUHRGAS AG
- [A] FR 2069688 A5 19710903 - JUNKERS & CO
- [A] CH 419409 A 19660831 - HUBER LUDWIG [DE]
- [A] WO 8101454 A1 19810528 - MARECK BV [NL], et al

Cited by

FR2596853A1; WO9115713A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

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**EP 0161954 A1 19851121; EP 0161954 B1 19871209**; AT E31359 T1 19871215; CA 1242136 A 19880920; DE 3561176 D1 19880121; FR 2562211 A1 19851004; FR 2562211 B1 19880422; JP S60253706 A 19851214; US 4634371 A 19870106

DOCDB simple family (application)

**EP 85400606 A 19850328**; AT 85400606 T 19850328; CA 477759 A 19850328; DE 3561176 T 19850328; FR 8404919 A 19840329; JP 6493285 A 19850328; US 71766585 A 19850329