

Title (en)

FUEL ADMIXTURE FOR A CATALYTIC COMBUSTOR

Publication

EP 0072676 A3 19840613 (EN)

Application

EP 82304275 A 19820812

Priority

- US 29276181 A 19810814
- US 29487181 A 19810821

Abstract (en)

[origin: EP0072676A2] A fuel admixture for use in a catalytic combustor steam generating plant comprises a non-combustible diluent, e.g. water or carbon dioxide, mixed with carbonaceous fuel in a thermally self-extinguishing mass ratio. In the case of a liquid-liquid mixture, the mixture may be emulsified and may include stabilizers. The mixture preferably has an adiabatic flame temperature below the upper temperature stability limit of the catalyst and above the light-off temperature of the catalyst.

IPC 1-7

C10L 1/32; C10L 3/00

IPC 8 full level

C10L 1/32 (2006.01); **E21B 36/02** (2006.01); **F23C 13/00** (2006.01); **F23K 5/12** (2006.01)

CPC (source: EP)

C10L 1/328 (2013.01); **E21B 36/02** (2013.01); **F23C 13/00** (2013.01); **F23K 5/12** (2013.01)

Citation (search report)

- [A] US 4335684 A 19820622 - DAVIS JERRY P
- [A] DE 2112447 A1 19720921 - BORSIG GMBH
- [A] US 4173455 A 19791106 - FODOR GEORGE E [US], et al

Cited by

US9133697B2; USRE35237E; EP0548929A3; US5387399A; US6302929B1; WO2009009336A3

Designated contracting state (EPC)

DE FR IT SE

DOCDB simple family (publication)

EP 0072676 A2 19830223; EP 0072676 A3 19840613; EP 0072676 B1 19870408; CA 1188516 A 19850611; DE 3276004 D1 19870514; FI 75593 B 19880331; FI 75593 C 19880711; FI 822825 A0 19820813; FI 822825 L 19830215; GB 2106136 A 19830407; GB 2106136 B 19851009

DOCDB simple family (application)

EP 82304275 A 19820812; CA 406978 A 19820709; DE 3276004 T 19820812; FI 822825 A 19820813; GB 8223195 A 19820812