

Title (en)

Catalytic method.

Title (de)

Katalytisches Verfahren.

Title (fr)

Procédé catalytique.

Publication

EP 0668471 A3 19970611 (EN)

Application

EP 94115017 A 19940923

Priority

- US 19789094 A 19940217
- US 19793194 A 19940217

Abstract (en)

[origin: EP0668471A2] The method of combusting lean fuel-air mixtures comprising the steps of: a. obtaining a gaseous admixture of fuel and air, said admixture having an adiabatic flame temperature below a temperature which would result in any substantial formation of nitrogen oxides but above about 800 DEG Kelvin; b. contacting at least a portion of said admixture with a catalytic surface (31) and producing reaction products; and c. passing said reaction products to a thermal reaction chamber (33), thereby igniting and stabilizing combustion in said thermal reaction chamber.

IPC 1-7

F23C 11/00; F23C 9/00; F01N 3/26; F01N 3/28

IPC 8 full level

F01N 3/22 (2006.01); **F01N 3/18** (2006.01); **F01N 3/26** (2006.01); **F01N 3/28** (2006.01); **F23C 9/00** (2006.01); **F23C 13/00** (2006.01); **F01N 3/30** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP)

F01N 3/18 (2013.01); **F01N 3/26** (2013.01); **F01N 3/2882** (2013.01); **F23C 9/006** (2013.01); **F23C 13/00** (2013.01); **F01N 3/30** (2013.01); **F01N 2250/04** (2013.01); **F02B 1/04** (2013.01); **F23C 2900/13002** (2013.01)

Citation (search report)

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