

Title (en)

METHOD AND APPARATUS FOR EXTENDING FLAMMABILITY LIMITS IN A COMBUSTION REACTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERWEITERUNG DER ENTFLAMMBARKEITSGRENZEN IN EINER VERBRENNUNGSREAKTION

Title (fr)

PROCÉDÉ ET APPAREIL POUR ÉTENDRE LES LIMITES D'INFLAMMABILITÉ DANS UNE RÉACTION DE COMBUSTION

Publication

EP 3090210 A1 20161109 (EN)

Application

EP 14877294 A 20141231

Priority

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Abstract (en)

[origin: WO2015103436A1] A method for controlling a combustion reaction includes introducing fuel and oxidizer into a combustion volume at a ratio that is outside a range defined by an upper flammability or stability limit and a lower flammability or stability limit of the fuel, and producing a modified range defined by a modified upper flammability or stability limit and a modified lower flammability or stability limit of the fuel, by applying an electric field across a flame supported by the fuel and oxidizer, the ratio falling within the modified range.

IPC 8 full level

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Citation (search report)

See references of WO 2015103436A1

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