

Title (en)

METHOD FOR INTENSIFYING THE COMBUSTION PROCESS

Title (de)

VERFAHREN ZUR VERSTÄRKUNG EINES VERBRENNUNGSPROZESSES

Title (fr)

PROCÉDÉ PERMETTANT D'INTENSIFIER LE PROCESSUS DE COMBUSTION

Publication

EP 2712414 A1 20140402 (EN)

Application

EP 12781618 A 20120510

Priority

- FI 20115447 A 20110510
- FI 2012050453 W 20120510

Abstract (en)

[origin: WO2012153003A1] The present invention relates to a combustion method, wherein a burner is used, which contains one or more tubular, semi-permeable burner membranes laid parallel, whereby the fuel is introduced into the combustion space formed of the membranes, and both the oxygen and the nitrogen of the combustion air, in ionized form, are transported through the membrane into the combustion space without the assistance of a compressor, whereby the fuel is reacted with the oxygen of the combustion air. The present invention also relates to such a burner containing one or more tubular semi-permeable membranes.

IPC 8 full level

F23R 3/00 (2006.01); **B01D 53/22** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP FI US)

B01D 53/228 (2013.01 - EP FI); **B01D 71/0271** (2022.08 - EP FI US); **F23C 99/006** (2013.01 - EP FI); **F23L 7/007** (2013.01 - EP FI); **F23R 3/00** (2013.01 - EP FI); **F23L 2900/07002** (2013.01 - EP); **H01M 2008/1293** (2013.01 - EP); **Y02E 20/34** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012153003 A1 20121115; EP 2712414 A1 20140402; EP 2712414 A4 20150422; FI 126249 B 20160831; FI 20115447 A0 20110510; FI 20115447 A 20121111

DOCDB simple family (application)

FI 2012050453 W 20120510; EP 12781618 A 20120510; FI 20115447 A 20110510