

Title (en)

LOW NOx BURNER APPARATUS AND METHOD

Title (de)

BRENNER MIT NIEDRIGEM NOx-GEHALT UND VERFAHREN

Title (fr)

APPAREIL BRÛLEUR À FAIBLE PRODUCTION DE NOx ET PROCÉDÉ

Publication

EP 3414490 A1 20181219 (EN)

Application

EP 16884234 A 20161230

Priority

- US 201614991258 A 20160108
- US 2016069466 W 20161230

Abstract (en)

[origin: WO2017120114A1] A burner apparatus for a fired-heater system and a method of burner operation wherein the burner fuel is ejected outside of the burner wall from a surrounding fuel discharge ring, or from a lateral elongate ejection bar in the case of a flat flame burner, to a combustion zone projecting from the forward end of burner wall. The burner apparatus and method reduce NO_x production by a combination of enhanced internal flue gas recirculation and staged fuel operation.

IPC 8 full level

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CPC (source: EP US)

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Designated extension state (EPC)

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DOCDB simple family (publication)

WO 2017120114 A1 20170713; CA 3009668 A1 20170713; CA 3009668 C 20240130; CN 108603659 A 20180928; CN 108603659 B 20210504;
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