

Title (en)
COMBUSTION METHOD AND SYSTEM

Title (de)
VERBRENNUNGSVERFAHREN UND -SYSTEM

Title (fr)
PROCEDE ET SYSTEME DE COMBUSTION

Publication
EP 1851480 A4 20120229 (EN)

Application
EP 06736364 A 20060227

Priority

- US 2006007025 W 20060227
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Abstract (en)
[origin: WO2006091967A1] A method of combustion for pulverized hydrocarbonaceous fuel includes the steps of injecting an air/fuel stream into a burner, causing a low-pressure zone; directing a flow of a high-temperature combustion gas from a combustion chamber into the low-pressure zone in the burner; mixing the high-temperature combustion gas with the injected air/fuel stream to heat the injected air/fuel stream, and injecting the heated air/fuel stream from the burner to the combustion chamber, wherein the air/fuel stream is rapidly devolatilized and combusted in a flame that has a high temperature; sensing a combustion parameter; and based on the sensed combustion parameter, controlling combustion to achieve at least one of a desired NO_x reduction and a desired distance from the burner to a flame front.

IPC 8 full level
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Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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WO 2006091967 A1 20060831; AU 2006216445 A1 20060831; AU 2006216445 B2 20110609; CA 2599160 A1 20060831; CN 101142447 A 20080312; CN 101142447 B 20130424; EP 1851480 A1 20071107; EP 1851480 A4 20120229; KR 20070105380 A 20071030

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