

Title (en)
BURNER ASSEMBLY AND METHOD FOR REDUCING NOX EMISSIONS

Title (de)
BRENNERANORDNUNG UND VERFAHREN ZUR VERMINDERUNG VON NOX-EMISSIONEN

Title (fr)
ENSEMBLE BRÛLEUR ET PROCÉDÉ POUR LA RÉDUCTION D'ÉMISSIONS DE NOX

Publication
EP 2694790 A4 20140917 (EN)

Application
EP 12767351 A 20120309

Priority
• US 201161472419 P 20110406
• US 201113157336 A 20110610
• US 2012028442 W 20120309

Abstract (en)
[origin: US2012255472A1] A burner assembly for combusting fuel in a combustion zone to reduce NOx emissions includes a water spray subassembly including a water outlet configured to direct water at an angle with respect to an axis of the burner assembly, the water outlet further configured to direct the water in a direction for mixing with the air upstream of the combustion zone. A method is also provided for combusting fuel in a combustion zone to reduce NOx emissions.

IPC 8 full level
F02C 3/30 (2006.01)

CPC (source: EP KR US)
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F23L 7/002 (2013.01 - EP US)

Citation (search report)
• [XAI] EP 0007697 A1 19800206 - ZINK CO JOHN [US]
• [IY] DE 4033710 A1 19910502 - ASEA BROWN BOVERI [CH]
• [A] EP 0321809 A1 19890628 - BBC BROWN BOVERI & CIE [CH]
• [Y] US 2009220899 A1 20090903 - SPANGELO OEYSTEIN [NO], et al
• [A] US 3255966 A 19660614 - HOFFERT FRANKLIN D, et al
• See references of WO 2012138447A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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CN 103562519 A 20140205; EP 2694790 A1 20140212; EP 2694790 A4 20140917; JP 2014510257 A 20140424; KR 20140027975 A 20140307;
RU 2013149146 A 20150520; SG 194114 A1 20131129; WO 2012138447 A1 20121011

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RU 2013149146 A 20120309; SG 2013074737 A 20120309; US 2012028442 W 20120309