

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  
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• 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  
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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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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