

Title (en)

SYSTEM AND METHOD FOR REDUCING HALOGEN LEVELS NECESSARY FOR MERCURY CONTROL

Title (de)

SYSTEM UND VERFAHREN ZUR VERRINGERUNG VON ZUR QUECKSILBERKONTROLLE ERFORDERLICHEN HALOGENEBENEN

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT DE RÉDUIRE LES NIVEAUX DE COMPOSÉS HALOGÉNÉS NÉCESSAIRES POUR CONTRÔLER LE CONTRÔLE

Publication

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Application

EP 14840180 A 20140731

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Abstract (en)

[origin: WO2015030987A1] The present invention relates generally to the field of emission control equipment for boilers, heaters, kilns, or other flue gas-, or combustion gas-, generating devices and, in particular to a new and useful method and apparatus for: (i) reducing halogen levels necessary to affect gas-phase mercury control; (ii) reducing or preventing the poisoning and/or contamination of an SCR catalyst; and/or (iii) controlling various emissions. In another embodiment, the method and apparatus of the present invention is designed to: (a) achieve a reduction in the level of one or more halogens, or halogen-containing compounds, necessary to affect gas-phase mercury control; (ii) achieve protection of, increase the catalytic activity, and/or increase the catalytic life span of an SCR catalyst; and/or (iii) achieve control of various emissions from a combustion process.

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Citation (search report)

- [XYI] US 8496894 B2 20130730 - DURHAM MICHAEL D [US], et al
- [X] US 2013156667 A1 20130620 - GADGIL MANDAR R [US], et al
- [Y] US 8303919 B2 20121106 - GADGIL MANDAR R [US], et al
- [A] US 2009136401 A1 20090528 - YANG XIAOLIN DAVID [US], et al
- See references of WO 2015030987A1

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