

Title (en)
SELECTIVE CATALYTIC REDUCTON VIA ELECTROLYSIS OF UREA

Title (de)
SELEKTIVE KATALYTISCHE REDUKTION MITTELS HARNSTOFFELEKTROLYSE

Title (fr)
RÉDUCTION CATALYTIQUE SÉLECTIVE PAR ÉLECTROLYSE D'URÉE

Publication
EP 2609229 A1 20130703 (EN)

Application
EP 11754960 A 20110823

Priority

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- US 2011048809 W 20110823

Abstract (en)
[origin: WO2012027368A1] A method for producing ammonia suitable for use as a reductant in a combustion exhaust gas treatment system is provided that includes the electrolytic hydrolysis of urea under mild conditions. The ammonia generator, which includes an electrolytic cell 1 including an anode 3, a cathode 4, and an alkaline electrolytic composition of urea 6, an electrolysis apparatus including an electrolytic flow cell, an alkaline electrolyte composition, and a recirculation system, may be operatively coupled to an exhaust gas treatment system to provide an apparatus for reducing nitrogen oxides (NOx) and/or particulate in exhaust gases.

IPC 8 full level
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See references of WO 2012027368A1

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