

Title (en)

AMMONIA PRECURSOR CONVERSION REACTOR

Title (de)

AMMONIAKVORLÄUFERUMWANDLUNGSREAKTOR

Title (fr)

RÉACTEUR POUR CONVERSION D'UN PRÉCURSEUR D'AMMONIAC

Publication

EP 1989411 A1 20081112 (EN)

Application

EP 07712976 A 20070301

Priority

- GB 2007050093 W 20070301
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- GB 0617165 A 20060831

Abstract (en)

[origin: WO2007099372A1] A reactor for converting an aqueous ammonia precursor to a product comprising ammonia for supplying ammonia to a selective catalytic reduction catalyst disposed in an exhaust system of a lean burn internal combustion (IC) engine or gas turbine, which reactor comprising an electrically heated element and at least one conduit for conveying the aqueous ammonia precursor from an inlet end to an outlet end thereof, the arrangement being such that aqueous ammonia precursor carried in the conduit is brought into relatively close thermal contact with the electrically heated element, whereby the aqueous ammonia precursor is rapidly heated and converted to a product containing ammonia which is ejected from the outlet end in gaseous form.

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2007099372A1

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