

Title (en)

METHOD FOR PRODUCING NITRIC ACID AND PLANT SUITABLE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR SALPETERSÄUREPRODUKTION SOWIE DAFÜR GEEIGNETE ANLAGE

Title (fr)

PROCEDE DE PRODUCTION D'ACIDE NITRIQUE ET USINE A CET EFFET

Publication

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Application

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Abstract (en)

[origin: WO2005082779A2] The invention relates to a method for reducing the emission of oxides of nitrogen during the production of nitric acid and to a plant suitable for carrying out said method. The method comprises the following steps: i) producing ammonia by catalytic reaction of nitrogen with hydrogen in an ammonia plant (100), ii) introducing the ammonia so produced into an nitric acid plant (200), iii) combusting the ammonia to oxides of the nitrogen in the nitric acid plant (200), iv) washing the gas containing the oxides of the nitrogen with water in at least one absorption column disposed downstream of the ammonia combustion, thereby producing nitric acid, and v) returning to the ammonia plant (100) at least a part of the residual gas leaving the nitric acid plant (200) and containing oxides of the nitrogen.

IPC 8 full level

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Citation (search report)

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