

Title (en)

METHOD FOR HEATING AND PARTIAL OXIDATION OF A STEAM/NATURAL GAS MIXTURE AFTER A PRIMARY REFORMER

Title (de)

VERFAHREN ZUR AUFHEIZUNG UND PARTIELLEN OXIDATION EINES DAMPF-/ERDGASGEMISCHES HINTER EINEM PRIMÄRREFORMER

Title (fr)

PROCEDE DE CHAUFFAGE ET D'OXYDATION PARTIELLE D'UN MELANGE VAPEUR/GAZ NATUREL APRES UN REFORMEUR PRIMAIRE

Publication

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Application

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Abstract (en)

[origin: WO2006119812A1] The invention concerns a method and a system for the heating and the partial oxidation of a pre-reformed steam/natural gas mixture for an NH₃-synthesis gas, said mixture not having been separately pre-heated and energy being added to the gas stream (raw synthesis gas) in the direction of flow after a primary reformer, rust formation being avoided as far as possible and it also being possible to add variable quantities of, for example, N₂ and O₂ or mixtures thereof. This is achieved according to the method in that the energy is added directly after the primary reformer via at least one pore burner positioned in the gas discharge line of the primary reformer.

IPC 8 full level

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