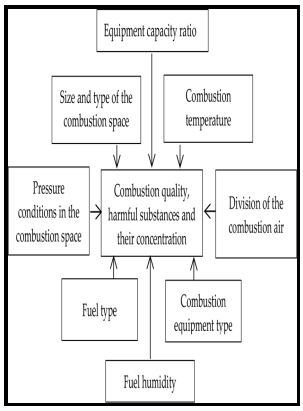
Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH_3 removal processes.

- - Gasification for synthetic fuel production : fundamentals, processes and applications



Description: -
-Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH_3 removal processes.
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VTT julkaisuja -- 369.
VTT publications -- 369.Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH_3 removal processes.
Notes: SHORT ANALYTIC RECORD.
This edition was published in -

Filesize: 36.78 MB

Tags: #Enhancement #of #N2 #Formation #from #the #Nitrogen #in #Carbon #and #Coal #by #Calcium

Technologies for converting biomass to useful energy: combustion, gasification, pyrolysis, torrefaction and fermentation

The function of the air flowing out of openings 11 into the furnace section of boiler 1 is to complete the combustion of the fuel rich gases exiting from the reburn process in chamber 5.

Relation between functional forms of coal nitrogen and formation of nitrogen oxide (NOx) precursors during rapid pyrolysis

The characteristic time of thermal deactivation was compared with that of oxidation under realistic conditions.

Formation and Removal of Nitrogen Compounds in Gasification Processes

Despite the high minerals content in the algal biomass and the high reaction temperatures used, no large aggregates were observed during or after the tests.

Gasification of phycoremediation algal biomass :: BioResources

. This alternative would work in tandem with the phycoremediation scrubbers to minimize further leaching and run-off of problematic minerals and metals.

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