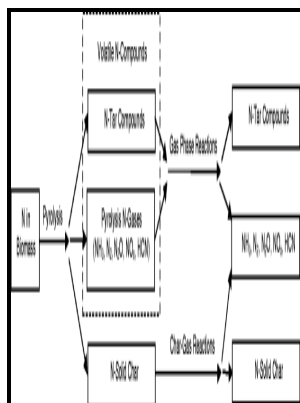


Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH₃ removal processes.

- - Biomass gasification in a circulating fluidized bed



Description: -

-Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH₃ removal processes.

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VTT julkaisuja -- 369.

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Notes: SHORT ANALYTIC RECORD.

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

Gasification of phycoremediation algal biomass :: BioResources

The amounts are empirical to the feedstock and desired product slate. Samples are not stable and must be analysed immediately, and they contain ions which are poisonous to the electrode.

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

But one problem with dolomite, and perhaps also with calcite, is its relatively low mechanical strength that often causes undesired attrition and catalyst losses from the fluidized bed, while increasing particulate loading to the gas cleaning equipment Degaldo et al, 1997.

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Standard chemical potential 281 6. It can be seen that together these hazard evaluation methods cover well the needs of the life cycle of a process plant. Some of N₂ thus adsorbed still remained on the chars even after purging the chars with He gas flow.

Method for the purification of gasification gas

The addition of water to petroleum-derived fuels has been an area of intense research for many years as an alternative to reduce emissions produced by fuel combustion NO_x, smoke, etc. The filtration efficiency and the operation and dimensioning of the filter depend upon the particle mass concentration and size distribution, as well as upon the composition of the PM.

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Tsubouchi N, Hashimoto H, Ohtsuka Y 2007 Catalytic performance of limonite in the decomposition of ammonia in the coexistence of typical fuel gas components produced in an air-blown coal gasification process. Xu CC, Tsubouchi N, Hashimoto H, Ohtsuka Y 2005 Catalytic decomposition of ammonia gas with metal cations present naturally in low rank coals. PILOT STUDY OF BIOMASS GASIFICATION: EXPERIMENTAL SETUP This chapter introduces the CFB gasifier, the fuel, bed materials and catalyst, the sampling method and the operating

procedure for our pilot study.

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