

Title (en)

REACTOR FOR GENERATING A PRODUCT GAS BY ALLOTHERMIC GASIFICATION OF CARBONACEOUS RAW MATERIALS

Title (de)

REAKTOR ZUR ERZEUGUNG EINES PRODUKTGASES DURCH ALLOTHERME VERGASUNG VON KOHLENSTOFFHALTIGEN EINSATZSTOFFEN

Title (fr)

RÉACTEUR POUR PRODUIRE UN GAZ-PRODUIT PAR GAZÉIFICATION ALLOTHERMIQUE DE MATIÈRES DE CHARGE CARBONÉES

Publication

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Application

EP 10728178 A 20100622

Priority

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Abstract (en)

[origin: WO2011003731A2] The invention relates to a reactor for generating a product gas by allothermic gasification of carbonaceous raw materials, comprising a pressure-charged reformer reactor for gasification of the carbonaceous raw materials, a feed line for feeding carbonaceous raw materials and ancillary materials for gasification into the reformer reactor, a combustion chamber for generating the heat required for the allothermic gasification, the combustion chamber being thermally coupled to the reformer reactor, and a pneumatic conveyor device for removing particulate gasification residue and raw gas from the reformer reactor and for feeding the particulate gasification residue into the combustion chamber, having a gas filter for separating out the particulate gasification residue from the raw gas and a pressure lock having a high-pressure side and a low-pressure side, the gas filter comprising a discharge line for product gas and a discharge line for solid particles. The reactor is characterized in that the gas filter and the pressure lock are separate components, and in that the gas filter discharge line for solid particles is connected to the high-pressure side of the pressure lock.

IPC 8 full level

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Citation (search report)

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