

Title (en)

HIGH TEMPERATURE TREATMENT PROCESS FOR CRUDE COKING GAS

Title (de)

VERFAHREN ZUR HOCHTEMPERATURBEHANDLUNG VON VERKOKUNGSROHGAS

Title (fr)

PROCEDE DE TRAITEMENT A HAUTE TEMPERATURE DU GAZ BRUT DE COKEFACTION

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Application

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Abstract (en)

[origin: WO9519405A1] A process is disclosed for treating crude coking gas at high temperatures. Coal charges are coked in a large-capacity coking reactor or in a conventional battery of multiple-earth coke ovens, and the thus obtained crude gas is subjected to a high temperature treatment. The resulting crude cracked gas replaces conventional coke oven gas as an ecological source of energy or may be used as reduction gas for ore reduction. Also disclosed is a device for carrying out the process. This process should permanently improve the economic and ecological situation of coking plants associated to steel works. The high temperature treatment is integrated into the coking system and carried out at temperatures above 800 DEG C, preferably from 900 to 1300 DEG C, with admixture of the required amount of oxidising agent within the coking chamber and/or the hot area of the oven block.

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