

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

Publication

**EP 0740694 B1 19981216 (DE)**

Application

**EP 95906938 A 19950113**

Priority

- DE 4401119 A 19940118
- DE 4421952 A 19940623
- EP 9500125 W 19950113

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.

IPC 1-7

**C10B 57/18**; **C10B 5/02**; **C10B 27/00**

IPC 8 full level

**C10B 5/02** (2006.01); **C10B 27/00** (2006.01); **C10B 57/18** (2006.01)

CPC (source: EP)

**C10B 5/02** (2013.01); **C10B 27/00** (2013.01); **C10B 57/18** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB

DOCDB simple family (publication)

**WO 9519405 A1 19950720**; AT E174614 T1 19990115; AU 1534095 A 19950801; EP 0740694 A1 19961106; EP 0740694 B1 19981216

DOCDB simple family (application)

**EP 9500125 W 19950113**; AT 95906938 T 19950113; AU 1534095 A 19950113; EP 95906938 A 19950113