

Title (en)
PROCESS AND SYSTEM FOR DRY COKE COOLING

Publication
EP 0231192 B1 19891213 (DE)

Application
EP 85905791 A 19851019

Priority
DE 3441322 A 19841112

Abstract (en)
[origin: WO8602939A1] A process for dry coke cooling by means of a cooling gas in which the coke and cooling gas are fed in contra-flow through a two-stage cooling vessel, whereby the cooling in the first stage is effected at a coke temperature of about 800°C and the cooling gas fed through the second cooling stage contains steam; the steam is produced without substantial burning away of the coke owing to the fact that the cooling in the first cooling stage is exclusively by indirect heat exchange of the coke with a cooling medium through the walls of the heat exchanger, and the cooling in the second stage is exclusively by the cooling gas which contains the steam. For this, a two-stage cooling vessel (1) is used, whose first cooling stage (1a) has jacket surfaces and incorporated cooling surfaces (8, 9) and whose second cooling stage (1b) is fed with a high steam-containing cooling gas connected with a coal-drying and pre-heating installation (4).

IPC 1-7
C10B 39/02

IPC 8 full level
C10B 39/02 (2006.01)

CPC (source: EP)
C10B 39/02 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8602939 A1 19860522; AU 5096085 A 19860603; AU 589927 B2 19891026; BR 8507276 A 19871027; CA 1271156 A 19900703; DE 3441322 C1 19860528; DE 3574727 D1 19900118; EP 0231192 A1 19870812; EP 0231192 B1 19891213; ES 548736 A0 19861116; ES 8701214 A1 19861116; JP H0629431 B2 19940420; JP S62501633 A 19870702; ZA 858666 B 19860730

DOCDB simple family (application)
EP 8500549 W 19851019; AU 5096085 A 19851019; BR 8507276 A 19851019; CA 494999 A 19851112; DE 3441322 A 19841112; DE 3574727 T 19851019; EP 85905791 A 19851019; ES 548736 A 19851111; JP 50508885 A 19851019; ZA 858666 A 19851112