

Title (en)

Process for cooling and dedusting coke after its discharge from the dry-cooling plant.

Title (de)

Verfahren zur Kühlung und Entstaubung von Koks nach Verlassen der Kokstrockenkühlung.

Title (fr)

Procédé pour le refroidissement et le dépoussiérage du coke sortant de l'installation de refroidissement à sec de coke.

Publication

EP 0192277 A2 19860827 (DE)

Application

EP 86102294 A 19860221

Priority

- DE 3505955 A 19850221
- DE 3523897 A 19850704

Abstract (en)

[origin: US4701243A] A method of cooling and dedusting coke after leaving the coke dry cooling system comprises directing the coke at a temperature of approximately 150 DEG to 200 DEG C. into an immersion tank which has a liquid temperature of approximately 100 DEG C., thereafter conveying the coke out of the immersion tank at a selected variable speed so as to free it of fine dust. The water content of the coke after leaving the immersion tank and after an adequate evaporation time is controlled by the speed of the conveyor which is located in the immersion tank and the water content is advantageously kept below 5%, preferably from 0 to 3%. The immersion tank comprises a closed housing overlying a box-shaped tank with a continuously revolving chain conveyor located so as to extend through the tank at its upper reach for conveying the coke into the tank and which has a lower return reach which is directed outside of the tank below the tank itself.

Abstract (de)

Die Erfindung bezieht sich auf ein Verfahren zur Kühlung und Entstaubung von Koks nach Verlassen einer Kokstrockenkühlung und einen Tauchbehälter zur Durchführung des Verfahrens. Nach der Erfindung soll der Koks mit einer Temperatur von ca. 150 bis 200 °C in einen Tauchbehälter (1) mit einer Flüssigkeitstemperatur von ca. 100 °C gegeben und vorzugsweise mit stufenlos regelbarer Geschwindigkeit aus dem Tauchbehälter herausbefördert werden und dabei vom Feinstaub befreit werden.

IPC 1-7

C10B 39/04; **C10B 39/00**

IPC 8 full level

C10B 39/00 (2006.01); **C10B 39/04** (2006.01)

CPC (source: EP US)

C10B 39/00 (2013.01 - EP US); **C10B 39/04** (2013.01 - EP US)

Cited by

EP0353702A1

Designated contracting state (EPC)

AT BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0192277 A2 19860827; **EP 0192277 A3 19880210**; **EP 0192277 B1 19900103**; DE 3523897 C1 19860814; DE 3668000 D1 19900208; US 4701243 A 19871020

DOCDB simple family (application)

EP 86102294 A 19860221; DE 3523897 A 19850704; DE 3668000 T 19860221; US 83252786 A 19860221