

Title (en)

DEVICE FOR CONTROLLING THE GAS PRESSURE IN A COKE OVEN CHAMBER

Title (de)

VORRICHTUNG ZUM REGELN DES GASDRUCKES IN EINER KOKSOFENKAMMER

Title (fr)

DISPOSITIF POUR REGULER LA PRESSION GAZEUSE DANS UNE CHAMBRE DE FOUR A COKE

Publication

**EP 1390440 B1 20060719 (DE)**

Application

**EP 02732523 A 20020323**

Priority

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- EP 0203286 W 20020323

Abstract (en)

[origin: US2004129553A1] The invention relates to a device for controlling the gas pressure in a coke oven chamber comprising an immersion cup, which supplies water, and an immersion pipe, which is connected to the gas space of the coke oven chamber and terminates in the immersion cup. The immersion cup comprises an overflow and a closeable drain. The invention provides that, in order to control the level of the liquid, a drain pipe for water is provided whose inlet side end projects into the immersion pipe and whose lateral surface side is provided with inflow openings for admitting water. A slide, which is open on both faces, is placed inside the drain pipe, closes the inflow openings of the drain pipe according to its position in the longitudinal direction and forms a vertically adjustable overflow for the water flowing into the drain tube. The inflow side end of the drain pipe is surrounded by a siphon pipe, which closes the drain pipe at the top and forms an annular channel. The annular channel leads into the immersion cup underneath the immersion pipe and is provided for admitting water.

IPC 8 full level

**C10B 27/06** (2006.01)

CPC (source: EP KR US)

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Cited by

DE102010035154A1; DE102009023222B3; US8926800B2; DE102010035153A1; WO2012031666A1; WO2012031667A1

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