

Title (en)

AIR DISTRIBUTION DEVICE FOR PRIMARY AIR IN COKE OVENS

Title (de)

LUFTVERTEILUNGSVORRICHTUNG FÜR PRIMÄRLUFT IN KOKSÖFEN

Title (fr)

DISPOSITIF DE DISTRIBUTION D'AIR PRIMAIRE DANS DES FOURS À COKE

Publication

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Application

**EP 09778416 A 20090909**

Priority

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Abstract (en)

[origin: WO2010040435A1] The invention relates to a device for the directed introduction of primary combustion air to the primary heating chamber of a coke oven chamber, the primary air being supplied through inlet openings in the ceiling of a coke oven chamber or to the front walls of the coke oven chamber above the door of the coke oven chamber or in the door of the coke oven chamber or in a plurality of or all of the above-mentioned locations, said inlet openings containing inserts which are fitted with spouts that are directed towards the interior of the oven. Said spouts have an angle which is directed towards the exterior of the opening and which guides the primary air onto the coke cake at a slanted angle so that the air coming from the openings in the coke oven chamber ceiling impacts the coke oven at an angle of less than 90° C and the air coming from the openings in the coke oven chamber wall above the door of the coke oven chamber or in the coke oven door at an angle of more than 0°. The invention also relates to a method for the directed introduction of the primary air using the device according to the invention. The method according to the invention allows a substantial improvement of the mixing of coke gas and primary combustion air in the primary heating chamber.

IPC 8 full level

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