

Title (en)  
CONTROLLABLE AIR CHANNELS FOR FEEDING ADDITIONAL COMBUSTION AIR INTO THE AREA OF FLUE GAS CHANNELS OF COKING CHAMBER FURNACES

Title (de)  
REGELBARE LUFTKANÄLE ZUR ZUFÜHRUNG VON ZUSÄTZLICHER VERBRENNUNGSLUFT IN DEN BEREICH DER RAUCHGASKANÄLE VON KOKSKAMMERÖFEN

Title (fr)  
CANAUX À AIR RÉGULABLES POUR L'AMENÉE D'AIR DE COMBUSTION SUPPLÉMENTAIRE DANS LA ZONE DES CANAUX À GAZ DE FUMÉES DE FOURS À CHAMBRE DE COKÉFACTION

Publication  
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Application  
**EP 08861260 A 20081204**

Priority  
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Abstract (en)  
[origin: CA2707611A1] The invention relates to a device for feeding and controlling secondary air from secondary air channels into flue gas channels of horizontal coking chamber ovens. The flue gas channels are thereby located under the coking chamber floor on which coking takes place. The flue gas channels serve for combusting partially combusted coking gases from the coking chamber. The partially combusted coking gases are combusted using secondary air, whereby the coke cake is also heated from below for uniform coking. The secondary air comes from the secondary air channels connected to outside air and to the flue gas channels. Control elements are installed in the connection channels between the flue gas channels and the secondary air channels and can precisely control the air flow in the flue gas channels. Significantly more uniform heating and heat distribution can thus be achieved in coking chamber furnaces. The actual control devices in the connecting channels can be formed by rotatable tube segments, bricks, or metal dampers. A stool-like device can also be used particularly advantageously, said device sitting in the secondary channels and having a hump plate having a central opening slid under the corresponding branch for controlling the gas flow. The control mechanism can be manually, electrically, or pneumatically actuated. The control device can thereby also be automated.

IPC 8 full level  
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