

Title (en)
PROCESS AND APPARATUS FOR OPERATING A COKE OVEN PLANT

Publication
EP 0064617 B1 19850821 (DE)

Application
EP 82103250 A 19820417

Priority
DE 3118931 A 19810513

Abstract (en)
[origin: ES8302070A1] In a coking process, coal to be coked is preheated in a cascaded whirling bed drier into which the coal is charged from above and exposed to an indirect heat transfer while whirling in a coal-steam mixture. Hot gas applied to the heating pipes in respective cascades of the drier is branched off from the total amount of hot gases discharged from a dry cooler in which hot coke from the coke oven is cooled by recirculating cooler gas constituted by a partial gas stream discharged from the cascades of the drier and reunited with the other partial stream subject to a heat exchange for generating steam. Steam from the whirling beds is discharged from the cascaded drier, separated from the entrained dust particles, and then the excessive steam is drained in a branch conduit and the remaining steam is compressed and reintroduced into the lowermost whirling bed in the drier.

IPC 1-7
C10B 57/10; **C10B 39/02**; **F26B 3/08**; **F26B 3/26**; **F28D 13/00**

IPC 8 full level
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CPC (source: EP US)
C10B 39/02 (2013.01 - EP US); **C10B 57/10** (2013.01 - EP US); **Y10S 165/92** (2013.01 - EP US)

Cited by
DE102012012417A1; DE102012012417B4; KR101124629B1; EP0273406A3; EP0066096A3; WO2014000861A1

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