

Title (en)
PROCESS FOR DRY COOLING OF COKE WITH STEAM WITH SUBSEQUENT USE OF THE SYNTHESIS GAS PRODUCED

Title (de)
VERFAHREN ZUR TROCKENEN KÜHLUNG VON KOKS MIT WASSERDAMPF MIT ANSCHLIESSENDER VERWENDUNG DES ERZEUGTEN SYNTHESGASES

Title (fr)
PROCÉDÉ DE REFROIDISSEMENT DU COKE À SEC AVEC DE LA VAPEUR D'EAU SUIVI DE L'UTILISATION SUBSÉQUENTE DU GAZ DE SYNTHÈSE PRODUIT

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Application
EP 12772878 A 20120922

Priority
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Abstract (en)
[origin: WO2013053427A1] The invention relates to a process for dry cooling of coke with steam with subsequent use of the synthesis gas produced, in which the coal is cyclically converted to coke and the coke, after the coking oven has been unloaded, is introduced into a cooling apparatus, and steam is introduced into the cooling apparatus for dry cooling, such that a water-gas reaction gives rise to synthesis gas composed of carbon monoxide (CO) and hydrogen (H₂), and the synthesis gas produced is sent to a further use. The process allows utilization of the heat which arises in the course of coking for production of valuable synthesis gas, which can in turn be reused or used in heating, such that a very balanced energy budget of the overall process can be achieved overall.

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Citation (search report)
See references of WO 2013053427A1

Citation (examination)
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