

Title (en)  
COKE OVEN DEVICE FOR PRODUCING COKE, METHOD FOR OPERATING THE COKE OVEN DEVICE, AND USE

Title (de)  
KOKSOFEENVORRICHTUNG ZUM HERSTELLEN VON KOKS UND VERFAHREN ZUM BETREIBEN DER KOKSOFEENVORRICHTUNG SOWIE VERWENDUNG

Title (fr)  
DISPOSITIF DE FOUR À COKE POUR LA FABRICATION DE COKE ET PROCÉDÉ D'EXPLOITATION DU DISPOSITIF DE FOUR À COKE ET SON UTILISATION

Publication  
**EP 3966298 A1 20220316 (DE)**

Application  
**EP 20723808 A 20200428**

Priority  
• DE 102019206628 A 20190508  
• EP 2020061664 W 20200428

Abstract (en)  
[origin: WO202225013A1] The invention relates to a coke oven device (10) for producing coke, comprising a plurality of twin heating flues (13) having heating channels, which are each delimited from one another in pairs by a partition (14) and are shielded by two stretcher walls (15) lying opposite one another. In the lower region, at least one inlet from the following group is provided on the bottom (5.4) of each heating channel: coke oven gas inlet (18), combustion air inlet (16), mixed gas inlet (17). At each bottom (5.4), the ratio (y1:y2) of the distance (y1) between the nearest edges of the combustion air inlet (16) and of the mixed gas inlet (17) to the distance (y2) of the inner edges of the partitions (14) is at least 10%. The distance (y1) between the nearest edges of the combustion air inlet (16) and of the mixed gas inlet (17) is at least 50 mm. At least one of the combustion air inlet (16) and the mixed gas inlet (17) is arranged eccentrically at an x-distance greater than a factor of 0.7 of the absolute x-extent of the heating channel between opposite stretcher walls (15). The invention also relates to a corresponding method.

IPC 8 full level  
**C10B 21/18** (2006.01); **C10B 5/02** (2006.01)

CPC (source: CN EP KR)  
**C10B 5/02** (2013.01 - EP KR); **C10B 21/00** (2013.01 - CN); **C10B 21/10** (2013.01 - CN); **C10B 21/18** (2013.01 - CN EP KR)

Citation (search report)  
See references of WO 2020225013A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020225013 A1 20201112**; BR 112021020994 A2 20211214; CN 113785033 A 20211210; DE 102019206628 A1 20201112; DE 102019206628 B4 20240418; EP 3966298 A1 20220316; JP 2022534669 A 20220803; KR 20210149150 A 20211208

DOCDB simple family (application)  
**EP 2020061664 W 20200428**; BR 112021020994 A 20200428; CN 202080033548 A 20200428; DE 102019206628 A 20190508; EP 20723808 A 20200428; JP 2021565824 A 20200428; KR 20217036225 A 20200428