

Title (en)
COKE OVEN AND METHOD FOR PRODUCING COKE

Title (de)
OFENVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON KOKS

Title (fr)
FOUR À COKE ET PROCÉDÉ DE PRODUCTION DE COKE

Publication
EP 3609981 B1 20240529 (DE)

Application
EP 18716579 A 20180404

Priority

- DE 102017206450 A 20170413
- EP 2018058525 W 20180404

Abstract (en)
[origin: WO2018188996A1] The invention relates to a furnace device (10) having at least one vertical furnace chamber (11), in particular a coke furnace, for producing coke from at least one solid feedstock, in particular from the group: Brown coal, weakly-baking hard coal, biomass, petroleum coke, petroleum coal, comprising at least one briquette dryer (15), which is designed to control the temperature of briquettes produced from the feedstock, and at least one furnace chamber (11) having heating walls (12) that is coupled to the briquette dryer. On at least one side of the furnace chamber in at least one of the heating walls in a lower half or a lower third, at least one horizontal heating channel (12.1) is formed, and above that, also at least in an upper half or a center third, a heating channel (12.2) extending in a meandering manner in several height planes is formed. Said heating channels can each be individually heated by at least one burner (13). The invention further relates to a method for producing coke, and to the use of feedstock therefor.

IPC 8 full level
C10B 1/04 (2006.01); **C10B 3/02** (2006.01); **C10B 27/02** (2006.01); **C10B 47/04** (2006.01); **C10B 53/08** (2006.01); **C10B 57/10** (2006.01)

CPC (source: EP)
C10B 1/04 (2013.01); **C10B 3/02** (2013.01); **C10B 27/02** (2013.01); **C10B 47/04** (2013.01); **C10B 53/08** (2013.01); **C10B 57/10** (2013.01)

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

DOCDB simple family (publication)
WO 2018188996 A1 20181018; CN 110520507 A 20191129; CN 110520507 B 20211217; DE 102017206450 A1 20181018; EP 3609981 A1 20200219; EP 3609981 B1 20240529; JP 2020516842 A 20200611; JP 7053662 B2 20220412; UA 125351 C2 20220223

DOCDB simple family (application)
EP 2018058525 W 20180404; CN 201880024939 A 20180404; DE 102017206450 A 20170413; EP 18716579 A 20180404; JP 2019555592 A 20180404; UA A201911109 A 20180404