

Title (en)
COKE OVEN FEATURING IMPROVED HEATING PROPERTIES

Title (de)
KOKSOFEN MIT VERBESSERTEN HEIZEIGENSCHAFTEN

Title (fr)
FOUR À COKE À PROPRIÉTÉS CHAUFFANTES AMÉLIORÉES

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Application
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Abstract (en)
[origin: WO2008034493A1] The invention relates to a horizontally designed, non-heat recovery-type coke oven comprising at least one coking chamber, downcomers that are laterally disposed in relation to the coking chamber, and bottom ducts which are horizontally arranged below the coking chamber in order to indirectly heat the coking chamber. At least some of the interior walls of the coking chamber are embodied as a secondary heating area by coating the interior walls with a high-emission coating (HEB). The minimum emissivity of said high-emission coating is 0.9. Preferably, the high-emission coating (HEB) is made of Cr₂O₃, Fe₂O₃, or a mixture containing said substances, the Fe₂O₃ moiety in a mixture amounting to at least 25 percent by weight and the Cr₂O₃ moiety in a mixture amounting to at least 20 percent by weight.

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