

Title (en)

METHOD AND DEVICE FOR PRODUCING COKE FROM NONCAKING COALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON KOKS AUS MAGERKOHLE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE COKE À PARTIR DE CHARBONS NON AGGLOMÉRANTS

Publication

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Application

EP 07705552 A 20070207

Priority

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Abstract (en)

[origin: WO2007091146A1] The invention relates to coke production in general and specifically to methods and devices for the production of metallurgical coke from noncaking coals. The method comprises metering, crushing and mixing of coal, an adhesion agent, and an organic waste component to produce uniform feedstock and subsequent heating of the feedstock, wherein as the adhesion agent are used high boiling point products of plastic waste pyrolysis, which are added to the feedstock in an amount of 15% to 20% of the total feedstock volume and wherein the feedstock is heated in the temperature range 250°C to 1100°C. The device comprises a fire-resistant coking chamber; heating ducts; burners; means for charging the material to be coked; a coke discharging means, wherein the device comprises a heating tank provided with a charging hole for charging plastic waste, organic waste, and catalysts; and with a flight conveyor for removing undissolved residues from said tank.

IPC 8 full level

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Citation (search report)

- [A] JP 2005036098 A 20050210 - DAINEN CO LTD
- [A] JP S58164685 A 19830929 - NIPPON STEEL CORP
- See references of WO 2007091146A1

Citation (examination)

US 5789636 A 19980804 - HOLIGHAUS ROLF [DE], et al

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