

Title (en)

PROCESS AND DEVICE FOR GENERATING GAS FROM CARBONACEOUS MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN VON GAS AUS KOHLENSTOFFHALTIGEM MATERIAL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE GAZ À PARTIR DE MATIÈRE CONTENANT DU CARBONE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007093428A1] For gasifying carbonaceous material (2) to form CO and H₂-containing gas (23), the drying and/or the heating and the pyrolysis of the carbonaceous material (2) is carried out using microwave irradiation (32) and heat radiation and thereafter the pyrolysis products (21, 22, 25) and/or the carbonaceous material (2) are/is gasified. For this the carbonaceous material (2) is irradiated in a microwave station (3) with a heating unit and then passed on into a reactor (4) for the gasification. The gasification takes place using a steam-plasma source (5).

IPC 8 full level

C10J 3/66 (2006.01)

CPC (source: EP US)

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Citation (search report)

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