

Title (en)

PROCESS FOR OVERHEATING CRUDE GASIFICATION GASES AND DEVICE FOR CARRYING OUT THE PROCESS

Publication

EP 0185649 A3 19870325 (DE)

Application

EP 85890308 A 19851213

Priority

AT 400684 A 19841218

Abstract (en)

[origin: EP0185649A2] For the generation of superheated crude gasification gas, it is known from the state of the art that a condensation of liquid constituents, in particular tar and other liquid hydrocarbons, contained in the gas can be avoided by superheating crude gasification gas generated by counter-current gasification in fixed-bed gasification reactors, and transport free of by-products or dry dust removal from the crude gasification gas can thus be ensured, additional fuel or combustion of a part stream of the crude gasification gas generated being used for superheating the crude gas. According to the invention, this is avoided by using a part stream of the gasification gas being generated in the high-temperature zone (4) of the gasification zone not for low-temperature carbonisation of the fuel in the low-temperature carbonisation zone (3) but passing it via a by-pass line (2) without significant heat removal through or around the low-temperature carbonisation zone (3) of the gasification process and admixing it to the mixture of low-temperature carbonisation gas and gasification gas leaving the fuel bed above the low-temperature carbonisation and drying zone.

<IMAGE>

IPC 1-7

C10J 3/02; **C10J 3/82**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] DD 133817 A1 19790124 - DUERLICH MANFRED, et al
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