

## Title (en)

GAS-PRODUCING PLANT (FLUIDIZED OR ENTRAINED-BED PRESSURE REACTOR WITH CYCLONE EPURATION)

## Publication

**EP 0153624 A3 19860813 (DE)**

## Application

**EP 85101256 A 19850207**

## Priority

DE 3407157 A 19840228

## Abstract (en)

[origin: EP0159473A2] Coal is gasified in the plant which also includes a treatment for the purification of the high-pressure crude gas. In general, the crude gas is purified by wet scrubbing. However, this type of purification entails a substantial lowering of the crude gas temperature and hence a loss of energy. This is a disadvantage particularly if the crude gas is to be charged to the combustion chamber of a steam generator. By contrast, the invention now proposes that the equipment serving for the purification of the crude gas has at least two parallel-arranged cyclones on the inlet side, which can be connected or disconnected individually. Dry purification of the crude gas thus takes place at an at most small temperature loss, and the gas rate corresponding to the best possible degree of purification can be adjusted by the particular number of cyclones put into operation to the gas rate actually leaving the gas generator or to the gas rate in fact required for charging to the steam generator, without the need for the insertion of buffer capacities.

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**C10J 3/48**; **C10J 3/56**

## IPC 8 full level

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## Citation (search report)

- [A] DE 974634 C 19610309 - RUHRGAS AG
- [A] US 1890070 A 19321206 - WHITON JR LOUIS C
- [A] US 4328006 A 19820504 - MUENGER JAMES R, et al

## Cited by

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## Designated contracting state (EPC)

BE DE FR GB NL

## DOCDB simple family (publication)

**EP 0159473 A2 19851030**; **EP 0159473 A3 19860820**; AU 3913385 A 19850905; AU 571310 B2 19880414; EP 0153624 A2 19850904; EP 0153624 A3 19860813; ZA 851484 B 19851127; ZA 851485 B 19851127

## DOCDB simple family (application)

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