

Title (en)

Process and apparatus for the production of synthesis gas.

Title (de)

Verfahren und Vorrichtung zur Herstellung von Synthesegas.

Title (fr)

Procédé et appareil pour la production de gaz de synthèse.

Publication

**EP 0115094 A2 19840808 (EN)**

Application

**EP 83201705 A 19831130**

Priority

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Abstract (en)

Process for the production of synthesis gas comprising the steps: a) a finely divided carbonaceous fuel is partially combusted in a gasifier, b) liquid slag is removed from the bottom of the gasifier, c) hot crude synthesis gas containing entrained slag droplets is removed from the top of the gasifier and passes upwards through a radiation chamber where it is cooled, d) the gas is passed upwards through a superheater to cool it further, e) the flow of the gas is reversed in a pipe connecting the superheater with an evaporator f) the gas is passed downwards through the evaporator, to cool it still further, g) slag particles are separated from the cooled crude synthesis gas. Apparatus for carrying out the process described hereinbefore.

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IPC 8 full level

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