

Title (en)

PROCESS FOR THE COMBUSTION OF LOW-QUALITY FUELS

Publication

EP 0157263 A3 19861015 (DE)

Application

EP 85103058 A 19850316

Priority

DD 26097084 A 19840316

Abstract (en)

[origin: EP0157263A2] The invention relates to a process for the combustion of low- quality fuels, particularly on a lignitic base. The process is used without modification on existing, previously used high-pressure boilers. The aim is to burn low-quality fuels in conventional high-pressure boilers using corresponding prefirings according to the principle of low-temperature carbonisation gas post-combustion, the low-temperature carbonisation gas combustion taking place for the most part in the boiler. The aim is achieved according to the invention in that the fuels carbonise at low temperatures, with a regulated supply of primary combustion air. To this end, an atmosphere which has a reducing effect is firstly produced in the prefiring. Subsequently, the acceleration takes place of the individual low-temperature carbonisation gas flows in flame tubes and their swirling with secondary air upon entry into the high-pressure boiler.

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F23B 7/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] AT 218157 B 19611110 - BATAAFSCHE PETROLEUM [NL]
- [A] AT 83261 B 19210325 - MACHOVSKY VINCENC

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