

Title (en)

FINE COAL CHARGE FOR A FIXED BED PRESSURE GASIFIER

Title (de)

FEINKOHLIEINSATZ FÜR EINEN FESTBETTD RUCKVERGASER

Title (fr)

CHARGE DE FINES DE CHARBON POUR UN GAZÉIFICATEUR SOUS PRESSION À LIT FIXE

Publication

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Application

EP 17400030 A 20170608

Priority

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Abstract (en)

[origin: WO2018224186A1] A fine coal feed for a fixed-bed pressure gasifier and also a process and a plant for producing such a fine coal feed from a raw coal associated with accompanying rock, which fine coal feed forms, under gasification conditions, an ash or clinker layer which has very good support and gas passage properties, is proposed. According to the invention, the comminuted raw coal is for this purpose fed to two successive density separation stages and the second light material obtained is at least partly mixed with the heavy material from the first density separation stage. Especially when employed in combination with a fixed-bed pressure gasifier of the FBDB type, the fine coal feed obtained according to the invention produces, under gasification conditions as a result of the comminuting and mixing action of the rotary grating, an ash bed having support and gas passage properties which are improved compared to ash beds obtained from fine coal feeds according to the prior art.

IPC 8 full level

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CPC (source: CN EP)

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Cited by

CN113609793A; CN112076885A; CN112474033A

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