

Title (en)
METHOD AND APPARATUS FOR GASIFICATION OF SOLID CARBONACEOUS MATERIAL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VERGASUNG VON KOHLENSTOFFHALTIGEM FESTEN MATERIAL

Title (fr)
PROCEDE ET APPAREIL DE GAZEIFICATION DE MATIERES CARBONEES SOLIDES

Publication
EP 1021499 B1 20130417 (EN)

Application
EP 98958839 A 19981209

Priority
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Abstract (en)
[origin: WO9932583A1] Gasification of solid carbonaceous material is performed in a circulating fluidised bed (CFB) gasifier which comprise a CFB reaction chamber (1), a particle separator (2) for separation of char-containing particles from the outlet gas (32) of the CFB reaction chamber, and a particle recirculation duct (5) for recirculation of the separated particles to the CFB-reaction chamber. The particle recirculation duct (5) comprises a char reaction chamber (3) for gasification of char contained in the recirculating particles. The function of the CFB gasifier may be controlled in different ways. Compared to the use of more traditional CFB gasifiers in which the char must be converted in the CFB reaction chamber, e.g. a cheaper and more compact construction, increased efficiency and increased fuel flexibility are achieved. The gasification process is well suited also for biofuels and waste products that have a high content of alkaline and chlorine.

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