

Title (en)

DIRECT CURRENT SOLID BED GASIFICATION REACTOR AND USE THEREOF

Title (de)

GLEICHSTROM-FESTBETTVERGASUNGSREAKTOR UND DESSEN VERWENDUNG

Title (fr)

REACTEUR DE GAZEIFICATION A LIT FIXE A COURANT CONTINU ET SON UTILISATION

Publication

**EP 0885274 A1 19981223 (DE)**

Application

**EP 97919256 A 19970306**

Priority

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- DE 19608826 A 19960307

Abstract (en)

[origin: DE19608826A1] The object of the invention is a gasification reactor (1) for gasifying organic solids of high ash content and tending to form slags. The reactor comprises a solids storage chamber (4) bounded at the base by a grate (18), and a product gas line (22) for discharging the product gas. The solids storage chamber (4) has an oxidation zone (12) with an air and/or oxygen feed. To create a continuously operating gasification reactor (1), it is proposed that the reactor (1) should be provided with a slag-separation device and a discharge mechanism with which the separated slag can be removed from the reactor, and with a ring duct (32) around the periphery for the oxygen supply. The invention is also directed at advantageous uses of the gasification reactor (1).

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