

Publication

EP 0897967 A3 19990324

Application

EP 98114660 A 19980804

Priority

DE 19735153 A 19970813

Abstract (en)

[origin: EP0897967A2] Waste gasifier is claimed, in which single-stage gasification is carried out in a chamber (1) with a rotary liquid slag bath (2). Preferably, the excess slag and cracked gas are removed through the slag drain (6). This projects above the bath, its side opening draining the slag. The slag bath and/or waste is set in rotation by tangential gasification agent introduction. Some lump waste is fed to the burner (9), together with recycled cracked gas, acting as a carrier gas. Waste up to 5 mm diameter is introduced above the slag, formed into a jet directed onto the upper surface.

IPC 1-7

C10J 3/57

IPC 8 full level

B09B 3/00 (2006.01); **C10J 3/57** (2006.01); **F23G 5/00** (2006.01); **F23G 5/027** (2006.01); **F23G 5/14** (2006.01); **F23J 1/00** (2006.01)

CPC (source: EP US)

C10J 3/57 (2013.01 - EP US); **C10K 1/026** (2013.01 - EP US); **C10J 2200/152** (2013.01 - EP US); **C10J 2300/0946** (2013.01 - EP US); **C10J 2300/0993** (2013.01 - EP US); **C10J 2300/0996** (2013.01 - EP US); **C10J 2300/1223** (2013.01 - EP US); **C10J 2300/1634** (2013.01 - EP US); **Y10S 48/01** (2013.01 - EP US); **Y10S 48/02** (2013.01 - EP US); **Y10S 48/04** (2013.01 - EP US); **Y10S 266/90** (2013.01 - EP US)

Citation (search report)

- [XP] DE 19629544 A1 19980129 - LINDE KCA DRESDEN GMBH [DE]
- [A] DE 2552077 A1 19770602 - OTTO & CO GMBH DR C
- [A] DE 4109063 A1 19920924 - DEUTSCHES BRENNSTOFFINST [DE]
- [A] EP 0175207 A2 19860326 - DORNIER SYSTEM GMBH [DE]
- [A] DE 1287724 B 19690123 - RUMMEL ROMAN

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19735153 A1 19990218; **DE 19735153 C2 20031016**; EP 0897967 A2 19990224; EP 0897967 A3 19990324; JP H11128883 A 19990518; US 6311629 B1 20011106

DOCDB simple family (application)

DE 19735153 A 19970813; EP 98114660 A 19980804; JP 22771298 A 19980812; US 13034598 A 19980813