

Title (en)
WASTE DISPOSAL PROCESS AND DEVICE

Title (de)
VERFAHREN UND EINRICHTUNG ZUM ENTSORGEN VON ABFALL

Title (fr)
PROCEDE ET DISPOSITIF D'ELIMINATION DE DECHETS

Publication
EP 0689574 B1 19970611 (DE)

Application
EP 94908964 A 19940308

Priority
• DE 9400255 W 19940308
• DE 4308551 A 19930317

Abstract (en)
[origin: US5592888A] In a process and an apparatus for disposing of waste, the waste is carbonized at low temperatures in a carbonization drum, to develop carbonization gas and solid carbonization residue. The carbonization gas is burnt in a combustion chamber and the carbonization residue is divided in a separation device into a coarse and a fine fraction. The fine fraction is subjected to a gasification in a gasifier, to develop synthesis gas and molten slag. A temperature within the gasifier is above a melting temperature of non-combustible substances introduced into the gasifier. The synthesis gas is burnt in the combustion chamber or in a combustion chamber of a gas engine.

IPC 1-7
C10J 3/66; **C10J 3/58**

IPC 8 full level
C10J 3/58 (2006.01); **C10B 53/00** (2006.01); **C10J 3/62** (2006.01); **C10J 3/66** (2006.01); **F23G 5/027** (2006.01)

CPC (source: EP US)
C10B 53/00 (2013.01 - EP US); **C10J 3/62** (2013.01 - EP US); **C10K 1/08** (2013.01 - EP US); **F23G 5/027** (2013.01 - EP US); **C10J 2300/0946** (2013.01 - EP US); **C10J 2300/0956** (2013.01 - EP US); **C10J 2300/0959** (2013.01 - EP US); **C10J 2300/1606** (2013.01 - EP US); **C10J 2300/1687** (2013.01 - EP US); **C10J 2300/1884** (2013.01 - EP US); **F23G 2201/303** (2013.01 - EP US); **F23G 2201/40** (2013.01 - EP US)

Cited by
AT522257A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL PT

DOCDB simple family (publication)
US 5592888 A 19970114; AT E154384 T1 19970615; CA 2158463 A1 19940929; DE 4308551 A1 19940105; DE 59403120 D1 19970717; DK 0689574 T3 19980119; EP 0689574 A1 19960103; EP 0689574 B1 19970611; ES 2102845 T3 19970801; JP H08507568 A 19960813; WO 9421751 A1 19940929

DOCDB simple family (application)
US 52958795 A 19950918; AT 94908964 T 19940308; CA 2158463 A 19940308; DE 4308551 A 19930317; DE 59403120 T 19940308; DE 9400255 W 19940308; DK 94908964 T 19940308; EP 94908964 A 19940308; ES 94908964 T 19940308; JP 52050794 A 19940308