Title (en)

PROCESS AND INSTALLATION FOR RECOVERING REUSABLE GAS FROM WASTE THROUGH PYROLYSIS

Publication

EP 0376971 B1 19911121 (DE)

Application

EP 88907293 A 19880803

Priority

DE 3727004 A 19870813

Abstract (en)

[origin: WO8901505A1] According to a process for recovering reusable gas from waste through pyrolysis, the previously comminuted waste is transformed into fluff, granulates or pellets and introduced into a degassing drum (16), in which low temperature carbonization gas is generated and separated from the residual matter. The low temperature carbonization gas is decomposed into combustion gas in a gas converter (19) and cleaned in a subsequent gas washing installation (21-24 and 47-51) with circulating washing water. Part of the water of the circulation system of washing water is withdrawn and replaced with fresh water in order to limit its concentration of toxic substances. The pyrolysis residues to be withdrawn from the low temperature carbonization drum are withdrawn through a water bath (72). At least part of the quantity of liquid withdrawn from the circulation system of washing water of the gas washing installation (21-24) is introduced in the water bath (72).

IPC 1-7

C10B 53/00

IPC 8 full level

C10J 1/207 (2012.01); **B01D 1/00** (2006.01); **B01D 3/00** (2006.01); **B01D 15/00** (2006.01); **B01D 47/00** (2006.01); **B01D 53/00** (2006.01); **B02C 1/00** (2006.01); **B03C 1/00** (2006.01); **B03D 1/00** (2006.01); **C10B 53/00** (2006.01); **C10J 3/32** (2006.01); **C10J 3/66** (2006.01); B09B 3/00 (2006.01)

CPC (source: EP KR)

C10B 53/00 (2013.01 - EP KR); **C10J 3/66** (2013.01 - EP); **C10K 1/02** (2013.01 - EP); **C10K 1/101** (2013.01 - EP); C10J 2300/0906 (2013.01 - EP); C10J 2300/1628 (2013.01 - EP); C10J 2300/169 (2013.01 - EP); C10J 2300/1861 (2013.01 - EP); C10J 2300/1884 (2013.01 - EP)

Cited by

CN103624059A; CN103624055A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

WO 8901505 A1 19890223; AT E69614 T1 19911215; AU 2326288 A 19890309; BR 8807663 A 19900619; CA 1335863 C 19950613; CS 274679 B2 19910915; CS 559288 A2 19901012; DD 282023 A5 19900829; DE 3727004 A1 19890223; DE 3866357 D1 19920102; DK 35890 A 19900212; DK 35890 D0 19900212; EP 0376971 A1 19900711; EP 0376971 B1 19911121; ES 2007989 A6 19890701; FI 900660 A0 19900209; GR 1000301 B 19920512; GR 880100514 A 19890525; IN 170715 B 19920509; KR 890701712 A 19891221; KR 960010986 B1 19960814; NO 174002 B 19931122; NO 174002 C 19940302; NO 900670 D0 19900212; NO 900670 L 19900212; PL 154803 B1 19910930; PL 274155 A1 19890417; RU 1836406 C 19930823

DOCDB simple family (application)

EP 8800699 W 19880803; AT 88907293 T 19880803; AU 2326288 A 19880803; BR 8807663 A 19880803; CA 574332 A 19880810; CS 559288 A 19880812; DD 31882988 A 19880810; DE 3727004 A 19870813; DE 3866357 T 19880803; DK 35890 A 19900212; EP 88907293 A 19880803; ES 8802519 A 19880811; FI 900660 A 19900209; GR 880100514 A 19880804; IN 689CA1988 A 19880816; KR 890700610 A 19890410; NO 900670 A 19900212; PL 27415588 A 19880810; SU 4743109 A 19900212