

Title (en)

PYROLYTIC OVEN WITH DUST EXTRACTION OF THE GAS STREAM OUTPUT RESULTING FROM PYROLYSIS

Title (de)

THERMOLYSEOFEN MIT ENTSTAUBUNG DES THERMOLYSEGASAUSGANGS

Title (fr)

FOUR DE THERMOLYSE A DEPOUSSIERAGE DE LA SORTIE DU FLUX GAZEUX RESULTANT DE LA THERMOLYSE

Publication

EP 1093506 B1 20030402 (FR)

Application

EP 99923680 A 19990607

Priority

- FR 9901333 W 19990607
- FR 9807177 A 19980608

Abstract (en)

[origin: FR2779441A1] The invention concerns a pyrolytic oven comprising an airtight cavity (50), including an inlet interface for inserting waste in said cavity (50) and an outlet (54) for the gas stream resulting from pyrolysis. A combustion chamber (60) encloses the cavity (50), and a burner (80) has an inlet (84) connected to the cavity outlet (24) and an outlet (86) delivering a fuel gas into the combustion chamber (60). The cavity gas stream outlet (54) comprises at least a discharge duct (GA) comprising one first end connected to the cavity and a second end connected to the burner (80), the duct (GA) being capable of housing a coreless screw (117) for capturing at least part of the solid carbon-containing particles present in the gas stream resulting from pyrolysis and for rotating, under control, so as to send back into the oven cavity the captured particles.

IPC 1-7

C10B 53/00; **C10B 1/10**

IPC 8 full level

C10B 1/10 (2006.01); **C10B 47/30** (2006.01); **C10B 53/00** (2006.01)

CPC (source: EP KR)

C10B 1/10 (2013.01 - EP); **C10B 47/30** (2013.01 - EP); **C10B 53/00** (2013.01 - EP); **F23J 3/00** (2013.01 - KR); **F23G 2201/302** (2013.01 - EP); **F23G 2201/303** (2013.01 - EP); **F23G 2203/20** (2013.01 - EP)

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)

FR 2779441 A1 19991210; **FR 2779441 B1 20000811**; AT E236233 T1 20030415; AU 4046199 A 19991230; AU 743972 B2 20020214; BR 9910988 A 20010213; CA 2334638 A1 19991216; CA 2334638 C 20090818; CZ 20004571 A3 20010516; CZ 302188 B6 20101208; DE 69906529 D1 20030508; DE 69906529 T2 20040115; EP 1093506 A1 20010425; EP 1093506 B1 20030402; ES 2196807 T3 20031216; JP 2002517599 A 20020618; JP 4327358 B2 20090909; KR 100628290 B1 20060927; KR 20010071432 A 20010728; NZ 508718 A 20021025; PL 198508 B1 20080630; PL 344871 A1 20011119; PT 1093506 E 20030731; WO 9964539 A1 19991216

DOCDB simple family (application)

FR 9807177 A 19980608; AT 99923680 T 19990607; AU 4046199 A 19990607; BR 9910988 A 19990607; CA 2334638 A 19990607; CZ 20004571 A 19990607; DE 69906529 T 19990607; EP 99923680 A 19990607; ES 99923680 T 19990607; FR 9901333 W 19990607; JP 2000553531 A 19990607; KR 20007013878 A 20001207; NZ 50871899 A 19990607; PL 34487199 A 19990607; PT 99923680 T 19990607