

Title (en)

DEVICE FOR CONVEYING REFUSE INTO A PYROLYSIS REACTOR

Title (de)

EINRICHTUNG ZUM TRANSPORT VON ABFALL IN EINEM PYROLYSEREAKTOR

Title (fr)

DISPOSITIF PERMETTANT DE CONVOYER DES DECHETS DANS UN REACTEUR A PYROLYSE

Publication

EP 0721491 B1 19991201 (DE)

Application

EP 94926780 A 19940914

Priority

- DE 9401058 W 19940914
- DE 4332865 A 19930927

Abstract (en)

[origin: US5709779A] A device for conveying waste includes a waste feed chute. A stationary conveyor pipe is connected to the waste feed chute and has a sealed-off end and a housing with a nonround cross section defining a longitudinal direction. A screw conveyor is disposed in the longitudinal direction of the conveyor pipe. A motor drives the screw conveyor. A pyrolysis reactor into which the conveyor pipe discharges, defines a first space between the housing of the conveyor pipe and the pyrolysis reactor. The pyrolysis reactor has an inlet end and a longitudinal axis about which the pyrolysis reactor is rotatable. An inlet tube in which the sealed-off end of the conveyor pipe is disposed, defines a second space between the inlet tube and the conveyor pipe. The inlet tube communicates with the inlet end of the pyrolysis reactor and has a smaller cross section than the pyrolysis reactor. At least one supply line leads from outside into the pyrolysis reactor. The at least one supply line is disposed in the first space and is extended through the second space.

IPC 1-7

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

IPC 8 full level

C10B 31/00 (2006.01); **C10B 1/10** (2006.01); **C10B 51/00** (2006.01); **C10B 53/00** (2006.01); **C10B 57/14** (2006.01); **F23G 5/027** (2006.01); **F23G 5/20** (2006.01)

CPC (source: EP KR US)

C10B 1/10 (2013.01 - EP KR US); **C10B 51/00** (2013.01 - EP KR US); **C10B 53/00** (2013.01 - EP KR US); **F23G 2203/212** (2013.01 - EP KR US); **F23G 2205/121** (2013.01 - EP KR US); **F23G 2205/14** (2013.01 - EP KR US); **F23G 2900/52001** (2013.01 - EP KR US); **F23L 2900/07002** (2013.01 - EP KR US); **F23L 2900/07008** (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL PT SE

DOCDB simple family (publication)

US 5709779 A 19980120; AT E187195 T1 19991215; CA 2172634 A1 19950406; CN 1056872 C 20000927; CN 1131963 A 19960925; CZ 74896 A3 19960717; DE 4332865 A1 19950330; DE 59408969 D1 20000105; DK 0721491 T3 20000529; EP 0721491 A1 19960717; EP 0721491 B1 19991201; ES 2140554 T3 20000301; HU 216412 B 19990628; HU 9600748 D0 19960528; HU T74783 A 19970228; JP 3121018 B2 20001225; JP H09501982 A 19970225; KR 100304307 B1 20011122; KR 960704999 A 19961009; PL 313586 A1 19960708; PT 721491 E 20000531; RU 2100402 C1 19971227; SK 281845 B6 20010806; SK 36796 A3 19970604; WO 9509217 A1 19950406

DOCDB simple family (application)

US 62540496 A 19960327; AT 94926780 T 19940914; CA 2172634 A 19940914; CN 94193564 A 19940914; CZ 74896 A 19940914; DE 4332865 A 19930927; DE 59408969 T 19940914; DE 9401058 W 19940914; DK 94926780 T 19940914; EP 94926780 A 19940914; ES 94926780 T 19940914; HU 9600748 A 19940914; JP 51004495 A 19940914; KR 19960701546 A 19960326; PL 31358694 A 19940914; PT 94926780 T 19940914; RU 96108254 A 19960326; SK 36796 A 19940914