

Title (en)
APPARATUS AND PROCESS FOR PYROLYZING WASTE PRODUCTS

Publication
EP 0019244 B1 19830126 (DE)

Application
EP 80102595 A 19800509

Priority
DE 2918758 A 19790509

Abstract (en)
[origin: US4398471A] This invention is a device for pyrolyzing waste materials comprising a low - temperature carbonizing reactor. The reactor includes a longitudinally extending tubular vessel adapted to be loaded with waste materials to be pyrolyzed and a flue gas duct which surrounds a shell of the carbonizing reactor, which defines an annular space which concentrically surrounds the tubular vessel, and which is adapted to have hot flue gases passed therethrough for the purpose of heating the shell of the reactor. The flue gas duct contains a baffle for maintaining turbulent flow about the reactor and for uniformly distributing the flue gases about the periphery of the tubular vessel. The baffle comprises a plurality of heat conducting elements which are disposed in planes which contain the longitudinal axis of the annular space and a plurality being disposed in planes extending at right angles to the longitudinal axis of the annular space.

IPC 1-7
C10B 7/10; **C10B 1/10**; **C10B 23/00**; **C10B 47/44**; **C10B 53/00**

IPC 8 full level
B09B 3/00 (2006.01); **C10B 1/10** (2006.01); **C10B 7/10** (2006.01); **C10B 23/00** (2006.01); **C10B 47/44** (2006.01); **C10B 53/00** (2006.01)

CPC (source: EP US)
C10B 7/10 (2013.01 - EP US); **C10B 47/44** (2013.01 - EP US); **C10B 53/00** (2013.01 - EP US)

Cited by
FR2624257A1; EP2666812A1

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

DOCDB simple family (publication)
EP 0019244 A1 19801126; **EP 0019244 B1 19830126**; AT E2338 T1 19830215; DE 2918758 A1 19801113; DE 3061757 D1 19830303; JP S5622382 A 19810302; US 4398471 A 19830816

DOCDB simple family (application)
EP 80102595 A 19800509; AT 80102595 T 19800509; DE 2918758 A 19790509; DE 3061757 T 19800509; JP 6160280 A 19800509; US 38725882 A 19820610