

Title (en)  
DRUM FOR CARBONIZING REFUSE

Publication  
**EP 0157330 B1 19870729 (DE)**

Application  
**EP 85103518 A 19850325**

Priority  
DE 3412583 A 19840404

Abstract (en)  
[origin: EP0157330A2] 1. Carbonisation drum for the low temperature carbonisation of waste materials, such as house-hold waste, industrial waste, worn tyres, plastics waste, sewage sludge or the like, comprising a drum (1), heating elements (2) arranged in the interior for conducting hot gases for the indirect heating of the material to be carbonised, a gas collecting chamber (3) for introducing the hot gases into the heating elements (2) with a seal (4) against the drum (1), a gas collecting chamber (5) for conducting the hot gases out of the heating elements (2) with a seal (6) against the drum (1), a device (7) for feeding the material to be carbonised into the drum (1), a device (8) for discharging the carbonised material out of the drum (1), and an outlet (9) for the carbonisation gas, which is connected to a dust separator (10), characterised in that the dust separator (10) is arranged, surrounded by the hot gases, in the gas collecting chamber (3) for introduction of the hot gases, the outlet (9) for the carbonisation gas is guided through the wall of the gas collecting chamber (3) into the dust separator (10), and the discharge line (11) for the dust-free carbonisation gas, and the discharge (12) for the separated solids are guided out of the dust separator (10) through the wall of the gas collecting chamber (3).

IPC 1-7  
**C10B 1/10**; F27D 17/00; F27B 7/10

IPC 8 full level  
**C10B 1/10** (2006.01); **F26B 25/00** (2006.01); **F27B 7/10** (2006.01); **F27B 7/32** (2006.01); **F27D 17/00** (2006.01); **F27D 3/08** (2006.01)

CPC (source: EP)  
**C10B 1/10** (2013.01); **F26B 25/007** (2013.01); **F27B 7/10** (2013.01); **F27B 7/32** (2013.01); **F27B 2007/3217** (2013.01); **F27D 3/08** (2013.01); **F27M 2001/05** (2013.01)

Cited by  
US5716205A; JPH08510787A; US5673748A; US5688117A; WO9506698A1; WO2011044943A1; WO9504794A1; WO9506696A1

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

DOCDB simple family (publication)  
**EP 0157330 A2 19851009**; **EP 0157330 A3 19860102**; **EP 0157330 B1 19870729**; AT E28659 T1 19870815; DE 3412583 A1 19851024; DE 3560402 D1 19870903; FI 75355 B 19880229; FI 75355 C 19880609; FI 850676 A0 19850219; FI 850676 L 19851005; IL 74802 A0 19850731; IL 74802 A 19880930

DOCDB simple family (application)  
**EP 85103518 A 19850325**; AT 85103518 T 19850325; DE 3412583 A 19840404; DE 3560402 T 19850325; FI 850676 A 19850219; IL 7480285 A 19850403