

Title (en)
MODIFIER OF PYROLYSIS GASES EMANATING FROM REFUSE

Publication
EP 0157332 B1 19880601 (DE)

Application
EP 85103523 A 19850325

Priority
DE 3412582 A 19840404

Abstract (en)
[origin: EP0157332A2] 1. Gas converter for low temperature carbonization gases resulting from pyrolysis of waste materials, comprising a combustion chamber for substoichiometric combustion of the low temperature carbonization gases through the supply of oxygen-containing gases, a vertical chamber having a bed of incandescent solid bodies, a line for supplying the hot, sub-stoichiometrically combusted, low temperature carbonization gases to the chamber, a line for carrying the gases from the chamber after they have passed through the bed of solid bodies, an arrangement for feeding solid bodies to the chamber and an arrangement for discharging solid matter from the chamber, characterized in that the combustion chamber for the substoichiometric combustion of the low temperature carbonization gas is arranged horizontally ; the supply line from the combustion chamber opens into the top part of the vertical chamber at the side ; the vertical chamber is conical, tapering towards the bottom ; the discharge line for the gases after they have passed through the top part of the bed of incandescent solid bodies is arranged in the top part of the chamber ; a discharging arrangement is provided for the continuous removal of the solid bodies from the chamber and a feed arrangement is provided for the continuous supply of fresh solid bodies to the chamber.

IPC 1-7
C10B 53/00; **C10K 3/00**

IPC 8 full level
C10B 53/00 (2006.01); **C10J 3/66** (2006.01); **C10K 3/00** (2006.01)

CPC (source: EP)
C10B 53/00 (2013.01); **C10J 3/506** (2013.01); **C10J 3/526** (2013.01); **C10J 3/66** (2013.01); **C10J 3/74** (2013.01); **C10J 3/845** (2013.01); **C10K 3/00** (2013.01); **C10J 2300/0943** (2013.01); **C10J 2300/0946** (2013.01); **C10J 2300/0956** (2013.01); **C10J 2300/0959** (2013.01)

Cited by
DE102008027858A1; EP0263339A1; EP3508556A1; WO2010097286A3

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