Title (en)

Fluidized bed reactor for the thermal treatment of waste materials

Title (de)

Wirbelbettreaktor zur thermischen Behandlung von Abfällen

Title (fr)

Réacteur à lits fluidisés pour le traitement thermique des déchets

Publication

EP 0747462 B1 20000112 (FR)

Application

EP 96401196 A 19960605

Priority

FR 9506707 A 19950607

Abstract (en)

[origin: EP0747462A1] Fluidised bed reactor for the heat treatment of waste and heat exchange between the circulating solids and a heat exchange device such as an evaporator and/or superheater. The reactor contains an axially circulating fluidised bed (18-18') and at least a first (28) and a second (48) dense lateral fluidised bed established along the length of a first (11) and second (12) wall of the reactor. The waste is fed in at at least one point in the first wall, above the first bed. The reactor also contains at least one extraction pipe (39) for the non-fluidisable heavy elements, located at the base of the first bed.

IPC 1-7

C10B 49/10; F23G 5/30; F22B 31/00; B01J 8/38

IPC 8 full level

C10B 49/10 (2006.01); **C10B 53/00** (2006.01); **F22B 31/00** (2006.01); **F23G 5/027** (2006.01); **F23G 5/30** (2006.01)

CPC (source: EP KR US)

C10B 49/10 (2013.01 - EP KR US); **F22B 31/0084** (2013.01 - EP KR US); **F23G 5/0276** (2013.01 - EP KR US); **F23G 5/30** (2013.01 - EP KR US); F23G 2201/80 (2013.01 - EP KR US); F23G 2203/501 (2013.01 - EP KR US); F23G 2203/503 (2013.01 - EP KR US); F23G 2205/121 (2013.01 - EP KR US); F23G 2205/16 (2013.01 - EP KR US); F23G 2206/00 (2013.01 - EP KR US); F23G 2209/102 (2013.01 - EP KR US); F23G 2209/12 (2013.01 - EP KR US); F23G 2209/26 (2013.01 - EP KR US); F23G 2900/00001 (2013.01 - EP KR US); F23G 2900/7006 (2013.01 - EP KR US)

Cited by

EP0999412A4; EP2009353A1; FR2918160A1; US6264465B1; US8002857B2

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AT BE DE DK ES FR GB IE PT SE

DOCDB simple family (publication)

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