

Title (en)
HIGH PRESSURE FLUIDISED BED COAL GASIFIER

Publication
EP 0142388 B1 19871104 (FR)

Application
EP 84401717 A 19840824

Priority
FR 8313961 A 19830831

Abstract (en)
[origin: US4555992A] An installation for gasifying coal in a fluidized bed under high pressure has a vessel resistant to the high pressure and a reactor disposed in the interior of the vessel and having a principal chamber constituting a gasification chamber which permits the establishment of a principal fluidized bed of substantial depth and an auxiliary fluidized bed of a smaller depth. An inclined traveling grate forms the bottom of the gasification chamber and has a lower grate portion supporting the principal fluidized bed and an upper grate portion supporting the auxiliary bed situated in a space between the vessel walls and the gasification chamber. The principal and auxiliary fluidized beds are maintained in hydrostatic equilibrium.

IPC 1-7
C10J 3/56; **C10J 3/78**; **C10J 3/86**

IPC 8 full level
C10J 3/56 (2006.01); **C10J 3/78** (2006.01); **C10J 3/86** (2006.01)

CPC (source: EP US)
C10J 3/503 (2013.01 - EP US); **C10J 3/56** (2013.01 - EP US); **C10J 3/74** (2013.01 - EP US); **C10J 3/78** (2013.01 - EP US);
C10J 3/86 (2013.01 - EP US); **C10J 2300/093** (2013.01 - EP US); **C10J 2300/0959** (2013.01 - EP US); **C10J 2300/0976** (2013.01 - EP US);
C10J 2300/1628 (2013.01 - EP US)

Designated contracting state (EPC)
BE DE GB NL SE

DOCDB simple family (publication)
FR 2551453 A1 19850308; **FR 2551453 B1 19851011**; DE 3467183 D1 19871210; EP 0142388 A1 19850522; EP 0142388 B1 19871104;
US 4555992 A 19851203

DOCDB simple family (application)
FR 8313961 A 19830831; DE 3467183 T 19840824; EP 84401717 A 19840824; US 64032884 A 19840813