Title (en)
Circulating fluidised bed reactor with external heat exchangers fed by internal recirculation

Title (de)
Zirkulierender Wirbelschichtreaktor mit externen Wärmetauschern gespeist durch interne Rezirkulation

Title (fr)
Réacteur à lit fluidisé circulant comportant des échangeurs extérieurs alimentés par la recirculation interne

Publication
EP 0568448 B1 19960918 (FR)

Application
EP 93401095 A 19930427

Priority
FR 9205165 A 19920427

Abstract (en)
[origin: EP0568448A1] Circulating fluidized bed reactor including a lower region (3) with a fluidization grating (11), injection of primary and secondary air (12, 13) and supply of fuel (10), an upper region (2), dense internal fluidized beds (22, 23) at the top of the lower region (3), which withdraw solid materials from the internal recirculation of the reactor and send them in part into the external dense fluidized bed exchangers attached against the walls of the reactor at the internal beds (22, 23). These external exchangers expel the materials, after the heat exchange with an external fluid, into the lower region (3). Reactor with simple design benefitting from the advantages of dense external beds whilst retaining conventional construction of the lower region (3). <IMAGE>

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F22B 31/00; F23C 11/02

IPC 8 full level
B01J 8/24 (2006.01); **B01J 8/28** (2006.01); **F22B 1/02** (2006.01); **F22B 29/00** (2006.01); **F22B 31/00** (2006.01); **F23C 10/00** (2006.01); **F23C 10/04** (2006.01); **F23C 10/10** (2006.01); **F23C 10/12** (2006.01); **F23C 99/00** (2006.01)

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