

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

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Application

EP 93401095 A 19930427

Priority

FR 9205165 A 19920427

Abstract (en)

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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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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