

Title (en)

Heat exchanger with dense fluidized bed combined with a reactor with circulating fluidized bed

Title (de)

Wärmetauscher mit dichter Wirbelschicht kombiniert mit einem Reaktor mit zirkulierender Wirbelschicht

Title (fr)

Echangeur à lit fluidisé dense destiné à être associé à un réacteur à lit fluidisé circulant

Publication

**EP 0864834 B1 20090617 (FR)**

Application

**EP 98400585 A 19980312**

Priority

FR 9702991 A 19970313

Abstract (en)

[origin: EP0864834A1] The fluidised bed exchanger has a casing (1) whose longitudinal vertical walls (1A,1B) are formed from tubes which transport a fluid. The tubes are divided lengthways into chambers separated from each other by a low wall (10) of liquid circulating tubes. The longitudinal walls comprise horizontal tubes (11A,11B,12A,12B) and the low wall extends from the inner wall of the casing to a height less than that of the casing. This low wall is made up of superposed, transversal extensions of the tubes (11A,11B) for each of the faces of the longitudinal vertical walls, in the form of hair clips, perpendicular to the tubes and extending upto the opposite longitudinal face.

IPC 8 full level

**F28D 1/06** (2006.01); **F28D 13/00** (2006.01); **F22B 31/00** (2006.01)

CPC (source: EP US)

**F22B 31/0023** (2013.01 - EP US); **F22B 31/0084** (2013.01 - EP US); **F28D 13/00** (2013.01 - EP US)

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