

Title (en)
Fluidized bed apparatus and mounting components

Title (de)
Wirbelbettvorrichtung und Befestigungskomponenten

Title (fr)
Appareil à lit fluidisé et composants de fixation

Publication
EP 2884168 A1 20150617 (EN)

Application
EP 13197369 A 20131216

Priority
EP 13197369 A 20131216

Abstract (en)
The invention relates to so-called Circulating Fluidized Bed Apparatus (CFBA) comprising a circulating fluidized bed reactor (10) with at least one outlet port at its upper part, wherein said outlet port allows a mixture of gas and solid particles exhausted from the circulating fluidized bed reactor (10) to flow into at least one associated separator (18) for separating solid particles from said gas, means to transfer said separated solid particles into at least one fluidized bed heat exchanger (24) and return means to transport at least part of said the solid particles back into the circulating fluidized bed reactor (10), wherein the circulating fluidized bed reactor (10), the separator (18) and the fluidized bed heat exchanger (24) are mounted in a suspended manner.

IPC 8 full level
F23C 10/10 (2006.01); **F23C 10/18** (2006.01)

CPC (source: EP)
F23C 10/10 (2013.01); **F23C 10/18** (2013.01)

Citation (applicant)
• US 6802890 B2 20041012 - HYPPAENEN TIMO [FI]
• US 4615715 A 19861007 - SESHAMANI VENKATRAMAN [US]

Citation (search report)
• [X] US 6305330 B1 20011023 - DARLING SCOTT [US]
• [X] US 2012079996 A1 20120405 - LANKINEN PENTTI [FI]
• [Y] US 2006185624 A1 20060824 - KINNUNEN PERTTI [FI]
• [Y] US 5840258 A 19981124 - HYPPANEN TIMO [FI]
• [A] US 2010024694 A1 20100204 - LANKINEN PENTTI [FI]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2884168 A1 20150617

DOCDB simple family (application)
EP 13197369 A 20131216