

Title (en)  
ROTARY FLUID BED DEVICE AND METHOD FOR USING SAID DEVICE

Title (de)  
ROTIERENDE WIRBELBETTVOORRICHTUNG UND VERFAHREN ZUR VERWENDUNG DER VORRICHTUNG

Title (fr)  
DISPOSITIF A LIT FLUIDIFIE ROTATIF ET PROCEDES UTILISANT CE DISPOSITIF

Publication  
**EP 1838426 A2 20071003 (FR)**

Application  
**EP 05821734 A 20051215**

Priority  

- EP 2005056826 W 20051215
- BE 200400613 A 20041215
- BE 200400612 A 20041215
- BE 200500443 A 20050915

Abstract (en)  
[origin: WO2006064046A2] The invention relates to a fluid bed device rotatable in one cylindrical chambers on in a succession of cylindrical chambers, wherein injectors (12) which are distributed around a circular wall (2) fixed to said cylindrical chamber(s) inject fluid(s) (13) along said wall in the form of successive layers which involve solid particles (17) crossing the said chamber(s) into a rapid rotational movement whose centrifugal force concentrates said particles along the wall, thereby forming a fluid bed rotating around one or several central chimneys (3) through which the fluids are removed. A method for catalytic polymerisation, drying or other treatment of the solid particles suspended in the rotatable fluid bed or for catalytic transformation of the fluids crossing said rotatable fluid bed by means of the inventive device is also disclosed.

IPC 8 full level  
**B01J 8/14** (2006.01); **B01J 8/36** (2006.01)

CPC (source: EP KR US)  
**B01J 8/00** (2013.01 - KR); **B01J 8/14** (2013.01 - EP US); **B01J 8/16** (2013.01 - KR); **B01J 8/1881** (2013.01 - EP US);  
**B01J 8/36** (2013.01 - EP US); **B01J 8/384** (2013.01 - EP US); **B01J 2219/0004** (2013.01 - EP US); **B01J 2219/182** (2013.01 - EP US);  
**B01J 2219/185** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006064046A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006064046 A2 20060622; WO 2006064046 A3 20060824; WO 2006064046 B1 20061130**; EP 1838426 A2 20071003;  
JP 2008523975 A 20080710; KR 20070087101 A 20070827; US 2009022632 A1 20090122; US 8071034 B2 20111206

DOCDB simple family (application)  
**EP 2005056826 W 20051215**; EP 05821734 A 20051215; JP 2007546069 A 20051215; KR 20077016206 A 20070713; US 79348405 A 20051215