

Title (en)
FLUIDISED BED DEVICE WITH QUICK FLUIDISATION AND SATURATED FLOW OF CIRCULATING SOLIDS

Title (de)
WIRBELSCHICHTVORRICHTUNG MIT SCHNELLER VERWIRBELUNG UND GESÄTTIGTEM STROM VON ZIRKULIERENDEN FESTSTOFFEN

Title (fr)
DISPOSITIF DE LIT FLUIDISE A FLUIDISATION RAPIDE ET A FLUX SATURE DE SOLIDES CIRCULANTS

Publication
EP 2342006 A1 20110713 (FR)

Application
EP 09756029 A 20091015

Priority
• FR 2009051964 W 20091015
• FR 0857388 A 20081030

Abstract (en)
[origin: WO2010049617A1] The invention relates to a quick fluidised bed device including a reactor (1, V), a solid-separating cyclone (2, 20) at the outlet of said reactor including an upper wall (2A, 2'A) referred to as a ceiling, a duct (4, 4') for returning solids towards the reactor at the solid outlet of said cyclone, and exchangers (5) combined with the fume circuit at the outlet of said cyclone, a duct (6, 6') connecting the reactor to the cyclone in the upper portion. According to the invention, said duct (6, 6') leads into the ceiling (2A, 2'A) of the cyclone.

IPC 8 full level
B01J 8/00 (2006.01); **B01J 8/08** (2006.01); **B01J 8/18** (2006.01); **B01J 8/24** (2006.01); **F23C 10/10** (2006.01)

CPC (source: EP)
B01J 8/0055 (2013.01); **B01J 8/082** (2013.01); **B01J 8/1809** (2013.01); **B01J 8/1872** (2013.01); **F23C 10/005** (2013.01); **F23C 10/10** (2013.01); **B01J 2208/00168** (2013.01)

Citation (search report)
See references of WO 2010049617A1

Citation (examination)
• WO 2008007607 A1 20080117 - JAPAN COOPERATION CT PETROLEUM [JP], et al
• EP 2044996 A1 20090408 - JAPAN COOPERATION CT PETROLEUM [JP], et al
• EP 0461004 A1 19911211 - INST FRANCAIS DU PETROLE [FR]

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010049617 A1 20100506; CA 2740506 A1 20100506; CA 2740506 C 20160202; EP 2342006 A1 20110713; FR 2937876 A1 20100507; FR 2937876 B1 20110325

DOCDB simple family (application)
FR 2009051964 W 20091015; CA 2740506 A 20091015; EP 09756029 A 20091015; FR 0857388 A 20081030