

Title (en)
FLUID BED APPARATUS AND METHOD OF OPERATING THE SAME

Title (de)
WIRBELBETTAPPARAT UND VERFAHREN ZUM BETREIBEN DES APPARATS

Title (fr)
APPAREIL A LIT FLUIDISE ET PROCEDE PERMETTANT DE L'ACTIONNER

Publication
EP 0934111 A1 19990811 (DE)

Application
EP 97911228 A 19971015

Priority
• DE 19644244 A 19961024
• EP 9705694 W 19971015

Abstract (en)
[origin: DE19644244A1] The invention concerns a fluid bed apparatus for producing and/or further treating granulates, the apparatus having a container which comprises an inlet chamber, through which a gas, in particular air, can flow upwards, and a swirl chamber which is disposed above the inlet chamber and is designed to fluidize the product. Pivotal plates (1) are disposed between the inlet chamber and the swirl chamber. At least one nozzle arm (6) mounted in the container below the plates (1) has at least one nozzle duct (3) bearing a nozzle (4) which is directed into the swirl chamber for introducing granulating substances. The plates (1) have cutouts (2) through which the nozzle ducts (3) are guided such that they extend partially into the swirl chamber, the cutouts (2) being sufficiently large to allow the plates (1) to pivot. The rigidity of the nozzle arms (6) allows them greater clearance in their structural design.

IPC 1-7
B01J 2/16; B01J 8/38; B01J 8/44

IPC 8 full level
B05B 7/14 (2006.01); **B01J 2/16** (2006.01); **B01J 8/38** (2006.01); **B01J 8/44** (2006.01)

CPC (source: EP US)
B01J 2/16 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE DE DK FI FR NL

DOCDB simple family (publication)
DE 19644244 A1 19980430; EP 0934111 A1 19990811; JP 2001502234 A 20010220; US 6203761 B1 20010320; WO 9817380 A1 19980430

DOCDB simple family (application)
DE 19644244 A 19961024; EP 9705694 W 19971015; EP 97911228 A 19971015; JP 51892498 A 19971015; US 28475899 A 19990420