Title (en)
Apparatus and method for the pelletisation of powdered or granular material

Title (de)
Vorrichtung und Verfahren zur Pelletierung von pulverförmigem oder körnigem Material

Title (fr)
Appareil et procédé de pelletisation de matériau en poudre ou granuleux

Publication
EP 2781865 A1 20140924 (EN)

Application
EP 13160434 A 20130321

Priority
EP 13160434 A 20130321

Abstract (en)
Plant and method for pelletizing a granular and/or powder material and for drying of the extruded pellets. A closed system circulating drying air is used, thus making the use of a filter superfluous by eliminating the risk of dispersing powders, micro-powders, polluting substances and bad odours in the environment. The plant comprises a closed circuit (10) for circulating a drying air flow, wherein a flow of pellets to be dried is inserted, said closed circuit comprising an air flow pumping device (12), an air cooling device (13), a device (14) for condensing the humidity transported by the air flow, and a device (16) for extracting the resulting water, so as to obtain an air flow with reduced water content, and a drying chamber (5), wherein the air flow with reduced water content intersects said flow of pellets to be dried.

IPC 8 full level
F26B 1/00 (2006.01); **F26B 21/08** (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP)
F26B 1/00 (2013.01); **F26B 21/086** (2013.01); **F26B 25/002** (2013.01); F26B 17/08 (2013.01)

Citation (search report)
- [Y] US 2006101881 A1 20060518 - CARIN CHRISTIANNE [CA], et al
- [Y] EP 0356388 A2 19900228 - BAER ROBERT
- [A] WO 0158815 A2 20010816 - NETZSCH ERICH HOLDING [DE]
- [A] WO 2009054033 A1 20090430 - WORLD ENVIRONMENTAL DESIGN CO [JP], et al
- [A] JP 2009133512 A 20090618 - KAJIMA CORP

Cited by
CN112923716A; CN106091615A; US2016249639A1

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 2781865 A1 20140924

DOCDB simple family (application)
EP 13160434 A 20130321