

Title (en)

Apparatus for continuous drying of bulk materials

Title (de)

Vorrichtung zum kontinuierlichen Trocknen von Schüttgütern

Title (fr)

Dispositif de séchage en continu de matières en vrac

Publication

EP 2315496 A1 20110427 (EN)

Application

EP 10011703 A 20100929

Priority

IT TV20090204 A 20091020

Abstract (en)

Apparatus for fast and continuous drying and dehumidification of bulk materials and process with a plant for drying, dehumidifying bulk materials, in which the treatment chamber includes adjacent container modules along said linear path, which are transversally placed with respect to said linear path, each of them having a cradle cross section, wherein each container module comprises at least one tilter device and it is separated from the other one by a separating plate which is adjustable in height so that said bulk material overflows over the respective top edge of the separating plate and it flows down in the adjacent transverse container module with cradle section.

IPC 8 full level

H05B 6/78 (2006.01)

CPC (source: EP)

H05B 6/78 (2013.01); **H05B 2206/046** (2013.01)

Citation (applicant)

- US 2419875 A 19470429 - CLARENCE BIRDSEYE
- DE 2246027 A1 19740328 - PUESCHNER GMBH & CO KG
- US 5189809 A 19930302 - BAILEY RICHARD G [US], et al
- US 3742614 A 19730703 - BETTERMANN D, et al
- DE 4036112 A1 19920514 - FRAUNHOFER GES FORSCHUNG [DE]
- US 3063848 A 19621113 - GELDER ARTHUR VAN
- IT 1358665 B
- IT 1358667 B

Citation (search report)

- [A] GB 2419659 A 20060503 - S M C SRL [IT]
- [A] GB 1340507 A 19731212 - LUCAS FURNACE DEV LTD
- [A] US 4746968 A 19880524 - WEAR FREDERICK C [US], et al
- [A] US 5270000 A 19931214 - GOLDNER HELMUT [DE], et al

Cited by

EP3232734A1; US10555384B2

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2315496 A1 20110427; EP 2315496 B1 20120125; AT E543370 T1 20120215; ES 2379940 T3 20120507; IT 1396318 B1 20121116; IT TV20090204 A1 20110421

DOCDB simple family (application)

EP 10011703 A 20100929; AT 10011703 T 20100929; ES 10011703 T 20100929; IT TV20090204 A 20091020