

Title (en)

APPARATUS FOR DUST REMOVAL BY AIR CURTAIN ISOLATION AND SELF-CIRCULATION PURIFICATION

Title (de)

VORRICHTUNG ZUR ENTSTAUBUNG DURCH LUFTVORHANGSISOLIERUNG UND SELBSTZIRKULATIONSREINIGUNG

Title (fr)

APPAREIL POUR LE RETRAIT DE POUSSIÈRE PAR ISOLATION PAR RIDEAU D'AIR ET PURIFICATION À AUTO-CIRCULATION

Publication

EP 2703335 A4 20150311 (EN)

Application

EP 12781974 A 20120507

Priority

- CN 201110132849 A 20110510
- CN 2012000603 W 20120507

Abstract (en)

[origin: US2013284028A1] A device for dust removal through air curtain isolation and self-circulation purification, including a material input transferring cabin, a main isolation cabin, a material output transferring cabin and a control cabinet. By employing three independent interlayer isolation cabins, a self-circulation purification device formed of self-circulation air pipes is disposed in the main isolation cabin, and an airflow cleaning air curtain is respectively disposed between the main isolation cabin and the material input transferring cabin and also between the main isolation cabin and the material output transferring cabin. By means of air curtain isolation and self-circulation purification, the spreading of dust resulting in pollution and interference to the environment of both the processing area and the whole clean area can be avoided, which facilitates the cleanness of the pharmaceutical processing environment to meet the standard requirements in the Chinese GMP Version 2010.

IPC 8 full level

B67C 7/00 (2006.01); **B01D 46/00** (2006.01)

CPC (source: EP US)

F24F 3/163 (2021.01 - EP US); **F24F 9/00** (2013.01 - EP US)

Citation (search report)

- [X1] US 4927438 A 19900522 - MEARS ERIC L [US], et al
- [I] US 6626971 B1 20030930 - FORBERT RAINALD [DE], et al
- [I] DE 19910483 A1 20000921 - FOERSTER RAINER [DE]
- See references of WO 2012152062A1

Cited by

CN107255904A; KR20180052820A

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2013284028 A1 20131031; CN 102219174 A 20111019; CN 102219174 B 20121017; EP 2703335 A1 20140305; EP 2703335 A4 20150311; WO 2012152062 A1 20121115

DOCDB simple family (application)

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