

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 A1 20140305 (EN)**

Application

**EP 12781974 A 20120507**

Priority

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Abstract (en)

The invention relates to a device for dust removal through air curtain isolation and self-circulation purification, comprises a material input transferring cabin (1), a main isolation cabin (2), a material output transferring cabin (3) and a control cabinet (7). Three independent interlayer isolation cabins are provided. A self-circulation purification device formed of self-circulation air pipes with a plug-board coarse-efficiency filter and a plug-board medium-efficiency filter is disposed in the main isolation cabin, and an airflow cleaning air curtain formed of an inlet airflow air curtain passage and an outlet airflow air curtain passage is respectively disposed between the main isolation cabin and the material input transferring cabin and between the main isolation cabin and the material output transferring cabin. Dust from the processing equipment is removed at the moment when it is produced by means of air curtain isolation and self-circulation purification..

IPC 8 full level

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CPC (source: EP US)

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