

Title (en)

EXTRUSION SEPARATION AND PURIFICATION DEVICE

Title (de)

VORRICHTUNG ZUR EXTRUSIONSTRENNUNG UND -REINIGUNG

Title (fr)

DISPOSITIF DE SÉPARATION PAR EXTRUSION ET DE PURIFICATION

Publication

EP 3708350 A1 20200916 (EN)

Application

EP 19861897 A 20190128

Priority

- CN 201821519013 U 20180917
- CN 2019073487 W 20190128

Abstract (en)

An extrusion separation and purification device, comprising an extrusion separation device body (100) and a purification device (200). The purification device comprises a material trough (7), a screw shaft (8), a motor (9), and a reduction box (10). An inner part of the material trough along the length direction of the material trough is provided with a sieve plate (16), the sieve plate divides the interior of the material trough into an upper chamber (18) and a lower chamber (19), and the sieve plate is provided thereon with a plurality of through holes (17). The screw shaft is rotatably arranged in the upper chamber. A rotating shaft of the motor is connected to a power input shaft of the reduction box, and a power output shaft of the reduction box is connected to one end of the screw shaft. One end of the material trough is provided with a first discharge port (23) that communicates with the upper chamber, and the other end of the material trough is provided with a second discharge port (24) that communicates with the lower chamber. A discharge port of the extrusion separation device body is located above a notch of the material trough. The aforementioned extrusion separation and purification device improves dry-wet separation efficiency and may effectively remove impurities in wet component materials.

IPC 8 full level

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CPC (source: EP)

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