

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 A4 20201230 (EN)**

Application

**EP 19861897 A 20190128**

Priority

- CN 201821519013 U 20180917
- CN 2019073487 W 20190128

Abstract (en)

[origin: EP3708350A1] 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

**B30B 9/06** (2006.01)

CPC (source: EP)

**B07B 1/20** (2013.01); **B30B 9/06** (2013.01); **B30B 9/127** (2013.01)

Citation (search report)

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- [YA] CN 205416441 U 20160803 - BEIJING ENV ENG TECH CO LTD
- [A] JP 2002177888 A 20020625 - KAJIMA CORP, et al
- [A] DE 9211176 U1 19921029
- See references of WO 2020057038A1

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 3708350 A1 20200916; EP 3708350 A4 20201230; EP 3708350 B1 20230614**; CN 209552503 U 20191029; WO 2020057038 A1 20200326

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