

Title (en)

COUNTERWEIGHT DISPLACEMENT MECHANISM AND OPERATING MACHINE

Title (de)

GEGENGEWICHTVERSCHIEBUNGSMECHANISMUS UND ARBEITSMASCHINE

Title (fr)

MÉCANISME DE DÉPLACEMENT DE CONTREPOIDS ET MACHINE D'EXPLOITATION

Publication

**EP 4282808 A1 20231129 (EN)**

Application

**EP 21920629 A 20210918**

Priority

- CN 202110097818 A 20210125
- CN 2021119334 W 20210918

Abstract (en)

A counterweight displacement mechanism and an operating machine (100). The counterweight displacement mechanism comprises a machine frame (1), a rotary table (2), a counterweight mounting frame (3), a counterweight (4) and a jacking device (5), wherein the rotary table (2) has a head portion (21) and a tail portion (22), and the head portion (21) is connected to the machine frame (1); the counterweight mounting frame (3) is rotatably connected to the tail portion (22) along an axis in a vertical direction, the counterweight mounting frame (3) is provided with a connecting portion (31), and the connecting portion (31) is located on one side of a rotating axis of the counterweight mounting frame (3); the counterweight (4) is provided with a mating portion (41) detachably connected to the connecting portion (31); and the jacking device (5) is used for driving the mating portion (41) to move up and down relative to the connecting portion (31).

IPC 8 full level

**B66C 23/72** (2006.01)

CPC (source: CN EP)

**B66C 23/72** (2013.01 - CN); **B66C 23/76** (2013.01 - EP); **E02F 9/18** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4282808 A1 20231129**; **EP 4282808 A4 20240710**; CN 112758845 A 20210507; CN 112758845 B 20230728; WO 2022156251 A1 20220728

DOCDB simple family (application)

**EP 21920629 A 20210918**; CN 202110097818 A 20210125; CN 2021119334 W 20210918