

Title (en)
SHEARER LOADER

Title (de)
WALZENSCHRÄMLADER

Title (fr)
HAVEUSE CHARGEUSE

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Application
EP 16801138 A 20161031

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Abstract (en)
[origin: WO2017076787A1] The invention relates to a shearer loader for mined extraction in longwall mining, comprising a machine body (1) that can move along a longwall conveyor (2) in the longitudinal direction of the longwall, and at least one cutting drum (4) which is carried by a carrier arm (3) fixed to the machine body (1) in a pivotable manner, is mounted on the free end of the carrier arm (3) such that it rotates about an axis extending parallel to the roofs and perpendicularly to the face, and can be driven by a drive motor associated with the carrier arm (3) by means of a train of gears arranged inside the carrier arm (3) and a planetary gearbox on the free end of the carrier arm (3), the gearbox housing (5) of which, connected to the end section of the carrier arm (3) in a non-rotatable manner, consists of axially successive annular housing sections (5a, 5b, 5c) held together by screwed bolts (6) on the periphery thereof. In order to be able to detach the gearbox housing (5) and the planetary gearbox contained therein as a whole from the carrier arm (3), in such a shearer loader, the housing section (5c) of the gearbox housing (5), adjacent to the carrier arm (3), comprises a separate attachment flange (7) which can be fixed to a complementary mating flange (10) on the free end of the carrier arm (3), by means of a separate screw connection (8, 9).

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