

Title (en)

FOLLOW-UP-TYPE SELF-LOCKING RAIL CLAMPING DEVICE

Title (de)

SELBSTSPERRENDE SCHIENENKLEMMVORRICHTUNG VOM NACHVERFOLGUNGSTYP

Title (fr)

DISPOSITIF DE SERRAGE DE RAIL AUTOBLOQUANT DE TYPE SUIVI

Publication

EP 3985172 B1 20230906 (EN)

Application

EP 19932745 A 20190709

Priority

- CN 201910509864 A 20190613
- CN 2019095173 W 20190709

Abstract (en)

[origin: EP3985172A1] Disclosed is a servo self-locking track clamping device, including a pressure plate assembly and a clamping assembly. The pressure plate holder is provided with a pressure plate for pressing the clamping assembly. The clamping assembly includes a thrust bracket, a clamp mechanism, and an opening and closing mechanism that are connected in sequence. The clamp mechanism includes bracket and clamping arms. The bracket is slid and installed on the frame horizontally, and the clamping arms are installed on the bracket by rotation. The opening and closing mechanism includes a hydraulic cylinder, and both ends of the hydraulic cylinder are respectively connected to the upper ends of two clamping arms. The length of the hydraulic cylinder can be extended. The clamping plate of the thrust bracket is placed between the two clamping arms. The two sides connecting the clamping plate and the clamping arms are both curved surfaces that are concave in the horizontal direction. The servo self-locking track clamping device provided by this disclosure is safe and reliable. In the self-locking closed state, it moves synchronously with the port machinery on the track. The opening and closing mechanism responds to the switching working status in real time. The clamping force is generated by the wind, and so the wind resistance and anti-skid ability are strong.

IPC 8 full level

B66C 9/18 (2006.01)

CPC (source: CN EP)

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