

Title (en)

LOCKING MECHANISM FOR POINT MACHINE

Title (de)

VERRIEGELUNGSMECHANISMUS FÜR EINE PUNKTMASCHINE

Title (fr)

MÉCANISME DE VERROUILLAGE POUR MACHINE À POINTE

Publication

**EP 3696045 A4 20211201 (EN)**

Application

**EP 19768993 A 20190904**

Priority

- CN 201910005651 A 20190103
- CN 2019104358 W 20190904

Abstract (en)

[origin: EP3696045A1] Provided is a locking mechanism for a point machine. The locking mechanism includes a locking iron, an action rod, an action block, a locking block group, an oil cylinder assembly and a damping mechanism. Two grooves are provided on one side of the locking iron. The action block is provided with two sliding grooves is mounted with two locking blocks in a shape of diamond. The action rod is fixed connected to the action block. One side of the action block is in sliding fit with the locking iron and the other side of the action block is in sliding fit with an outer cylinder sleeve of the oil cylinder assembly. The damping structure is configured between the locking iron and the outer cylinder sleeve. According to the present invention, the existing manner of locking by a point machine through a locking mechanism is improved, and the locking stability and reliability are improved.

IPC 8 full level

**B61L 5/04** (2006.01); **B61L 5/10** (2006.01)

CPC (source: EP)

**B61L 5/04** (2013.01); **B61L 5/10** (2013.01)

Citation (search report)

- [XA] US 7300023 B2 20071127 - BIAGIOTTI MAURIZIO [IT]
- [A] NL 1039271 C2 20130701 - ROOS RICHARD

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