

Title (en)

SAFETY MECHANISM FOR MANUAL CUTTING MACHINES

Title (de)

SICHERHEITSVORRICHTUNG FÜR HANDSCHNEIDMASCHINEN

Title (fr)

MÉCANISME DE SÉCURITÉ POUR MACHINES DE COUPE MANUELLES

Publication

EP 3944938 A1 20220202 (EN)

Application

EP 20382687 A 20200729

Priority

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Abstract (en)

The present invention relates to a safety mechanism for manual cutting machines comprising a cutting element (2) and a motor (3), comprising a throttle trigger (4) connected to the motor (3), configured to accelerate the motion of the cutting element (2); and a locking device (5) configured to lock the cutting element (2). Wherein the throttle trigger (4) has a first path (Ra) that starts from a rest position (Po) to a safety position (Ps), which enables the motion of the cutting element (2) to be accelerated when the throttle trigger (4) is pulled from the rest position (Po) to the safety position (Ps); and a second path (Rs) that occurs after the first path (Ra), which enables the locking device (5) to be activated in order to lock the cutting element (2) by continuing to pull the throttle trigger (4) once the safety position (Ps) has been exceeded.

IPC 8 full level

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Citation (applicant)

US 2010218388 A1 20100902 - MYERS KENT [US]

Citation (search report)

- [XII] US 8661951 B2 20140304 - GORENFLO ERNST [DE]
- [XA] EP 2746008 A1 20140625 - STIHL AG & CO KG ANDREAS [DE]
- [XA] EP 2422611 A2 20120229 - MAKITA CORP [JP]
- [X] WO 2007043916 A1 20070419 - HUSQVARNA AB [SE], et al

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