

Title (en)

A safety system for preventing tool engagement in electric saws when the motor rotates

Title (de)

Sicherheitssystem zum Verhindern von Werkzeugantrieb in elektrischen Sägen wenn der Motor dreht

Title (fr)

Système de sécurité pour empêcher l'entraînement de l'outil dans des scies électriques lorsque le moteur tourne

Publication

EP 1995027 B1 20100908 (EN)

Application

EP 07425306 A 20070521

Priority

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Abstract (en)

[origin: EP1995027A1] A safety system for preventing engagement of a tool in electric saws when an electric motor of the saw rotates, in which engagement of the tool is achieved by axially displacing a first part of an engagement mechanism towards a second part of the engagement mechanism, the axial movement of the first part of the engagement mechanism being achieved by rotation of a disc (16) mounted on inclined guides, in contrast with elastic means (20), the rotation being imposed on the disc (16) by an activating lever (2) via a tie rod (9) hooked to a tooth (12) fashioned in a circumferential slot (13) of the disc (16). The safety system comprises a stop device (31,32,34,35) of the displacement of the activating lever (2) from a rest position thereof, which stop device is maintained in a blocking position of the activating lever by means (35) which are sensitive to rotation of the motor, which means act in contrast with elastic means which maintain the stop device in a position thereof enabling activation of the lever when the electric motor rotates.

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