

Title (en)

Method and device for controlling the working of electrically powered hand-tools.

Title (de)

Verfahren und Vorrichtung zur Steuerung des Betriebs von Elektrohandgeräten.

Title (fr)

Procédé et dispositif pour commander le fonctionnement d'appareils électriques manuels.

Publication

EP 0463521 B1 19940323 (DE)

Application

EP 91109839 A 19910615

Priority

DE 4019895 A 19900622

Abstract (en)

[origin: EP0463521A1] In an electrically powered hand-tool, in particular screwdriver and the like, in which a disconnect-type clutch, in particular in the form of a claw clutch, is situated between the drive motor and the tool output shaft, it is proposed to monitor the position of the claw clutch by means of a distance sensor and then to accelerate the drive motor, via a speed-control circuit, controlled by the distant sensor, for said drive motor, to high operating speed and optionally to maintain it at this speed whenever an inwardly directed pressure is exerted on the tool output shaft when screws and the like are being screwed in, by which pressure the disconnect-type clutch is simultaneously caused to close. <IMAGE>

IPC 1-7

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IPC 8 full level

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EP 91109839 A 19910615; AT 91109839 T 19910615; DE 4019895 A 19900622; DE 59101221 T 19910615; ES 91109839 T 19910615; JP 15163091 A 19910624; US 71853891 A 19910621