

Title (en)  
POWER SCREWDRIVER

Title (de)  
KRAFTSCHRAUBER

Title (fr)  
VISSEUSE ÉLECTRIQUE

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Application  
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Abstract (en)  
[origin: WO2008128525A2] The invention relates to a power screwdriver (10) comprising a motor (12) and a control circuit (22) which switches the motor (12) off by means of a switch-off signal (s\_Stop) when it reaches a preset desired torque value (Md\_Soll), and a supporting arm (18) which absorbs energy during screwing. The invention is characterized by a voltage limiting circuit (46) that limits the motor voltage (u\_Mot) occurring on the motor (12) when the energy stored in the supporting arm (18) of the motor (12), which is driven as the generator and rotates counter to the direction of drive, is dissipated, to a predetermined limiting voltage (u\_Lim). Said limiting voltage (u\_Lim) is fixed in such a manner that the motor (12) is capable of rotating without counter-torque counter to the direction of drive when operated in the generator mode and that yet no inadmissible overvoltages occur.

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