

Title (en)
TRIGGER-ACTUATED MOTOR CONTROL DEVICE

Title (de)
MITTELS AUSLÖSER BETÄTIGTE MOTORSTEUERVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE PAR GACHETTE D UN MOTEUR

Publication
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Application
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Abstract (en)
[origin: WO2004062077A2] The invention relates to a trigger-actuated motor control device. The inventive device comprises: a single slide trigger (3, 30), without electrical contact; a Hall effect sensor (6); and a magnet (4) which can be moved by the trigger in order to control a motor (2), such as an electric motor in a drill-type surgical instrument. According to the invention, two collinear springs (33, 34) return the trigger at rest to an intermediate reference position (XR) which is located between positions (XAV, XAR) for the forward and reverse travel of the motor by moving the magnet and sensor towards and away from one another. A control unit (7) deduces the position of the trigger according to the induced voltage (UH) in the sensor (6) in order to control the motor (2) in one direction of travel and at a speed that is dependent on the position (XG) of the trigger in relation to the above-mentioned reference position (XR).

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