

Title (en)

DRIVER TOOL WITH HIGH ENERGY MAGNETS

Title (de)

ANTRIEBSWERKZEUG MIT HOCHLEISTUNGSMAGNET

Title (fr)

OUTIL A COMMANDE MECANIQUE DOTE D'AIMANTS DE HAUTE ENERGIE

Publication

EP 1156908 A1 20011128 (EN)

Application

EP 99906832 A 19990203

Priority

US 9902757 W 19990203

Abstract (en)

[origin: WO0045998A1] At least one high energy magnet (12, 14) having an energy product to at least 7.0 X 10⁶ gauss-oersteds is mounted on a non-operative portion of a driving tool, drill housing or other associated item, that defines a tool axis (A). The permanent magnet(s) (12, 14) have north and south poles defining a magnetic axis (Am) and permanent magnet(s) (12, 14) are arranged on the non-operative portions to permit selective placement of a magnetizable element, such as a screwdriver bit, screw or other fastener, etc., at at least one position along the magnetic axis (Am) in proximity to one of the poles to magnetize the magnetizable element. For demagnetization, the magnetizable element is placed in proximity to the other of the poles. To provide access to both poles a hole may be provided in the non-operative portion in proximity to one of the poles that would otherwise not be accessible along the magnetic axis (Am).

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