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(54) **ELECTRIC DRIVE UNIT FOR AN ELECTRIC
HANDHELD POWER TOOL AND ELECTRIC
HANDHELD POWER TOOL HAVING AN
ELECTRIC DRIVE UNIT**

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ABSTRACT

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An electric drive unit for an electric handheld power tool, having an electric motor with a stator winding and a rotor winding, an actuating circuit for actuating the electric motor and a connection unit for coupling an energy source for driving the electric motor, wherein the stator winding is connected via a first node to a stator-side first half-bridge including a first semiconductor component and a second semiconductor component and is connected via a second node to the rotor winding, wherein the rotor winding is connected to a third node which is connected via a conductive component to the connection unit, and wherein the actuating circuit includes a third semiconductor component which is connected via the second node to the rotor winding and the stator winding and which is connected via a fourth node directly to the connection unit.

