

Title (en)  
ELECTRIC HAND-OPERATED GRINDER

Title (de)  
ELEKTRISCHE HANDSCHLEIFMASCHINE

Title (fr)  
MEULEUSE PORTATIVE ELECTRIQUE

Publication  
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Application  
**EP 97915347 A 19970313**

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Abstract (en)  
[origin: DE19617572A1] The invention concerns an electric hand-operated grinder having a tool holder (22) which is driven by a rotating eccentric pin (20) and, in order to hold a grinding tool, comprises a rapid-locking system (24) with mutually corresponding locking elements (40, 41) which are secured at the tool and tool holder ends. In order to transmit greater power from the tool holder (22) to the grinding tool (10), the locking elements (40) at the tool end are formed by hooks (42) disposed on a circle, and the locking elements (41) at the tool holder end are formed by an annular curved spring wire (43). The spring wire (43) comprises radially inwardly directed recesses (431) whose number corresponds to the number of hooks (42) at the tool end. These recesses (431) engage behind the hooks (42) at the tool end in order to lock the grinding tool (10).

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