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SPINDLE

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SPINDEL

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Abstract (en)
[origin: WO2007012473A1] The invention relates to a spindle with rotational drive for a tool (9, 34). The tool (9, 34) has a tool shaft (10, 33) and a tool head (11). The spindle comprises a spindle stator (4) and a spindle rotor (8, 31), the spindle rotor (8, 31) being rotatably mounted within the spindle stator (4) to rotate about a rotational axis (2) and being driven in rotation by a drive unit (6). According to the invention, the spindle rotor (8, 31) is essentially formed by the tool (9, 34) the tool shaft (10, 33) of the tool (9, 34) being arranged in a radial bearing (5) within the spindle stator (4). A compact spindle is therefore produced with exceptionally true running properties.

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