

Title (en)

DIRECT DRIVE TWO ROTARY AXIS SPINDLE HEAD

Title (de)

SPINDELKOPF MIT DIREKTANTRIEB UM ZWEI DREHACHSEN

Title (fr)

TÊTE PORTE-BROCHE À ENTRAÎNEMENT DIRECT ET DOUBLE AXE DE ROTATION

Publication

EP 2205394 A2 20100714 (EN)

Application

EP 08803741 A 20080905

Priority

- EP 2008061772 W 20080905
- IT MI20071773 A 20070914

Abstract (en)

[origin: WO2009034030A2] It is described a direct drive two rotary axis spindle head (1) comprising a fork (5), rotatable around a first axis (B), with two arms (3, 4) accommodating between them an electric spindle (2). The electric spindle (2) is rotatable around a second axis (A) perpendicular to said first axis (B). A first direct drive electric motor (6) for the rotation of the fork (5) around said first axis (B), and at least a second direct drive electric motor (9) for the rotation of the electric spindle (2) around said second axis (A). The second motor (9) comprises a rotor (10) and a stator (11), where the stator (11) is housed in a casing (12) fixed to the outer faces (13, 14) of the fork (5), in such a way that the casing (12) and part of the rotor (10) remain on the outside of the fork (5).

IPC 8 full level

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CPC (source: EP)

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