(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 4 088 861 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 72

(48) Corrigendum issued on:
18.01.2023 Bulletin 2023/03

(43) Date of publication:
16.11.2022 Bulletin 2022/46

(21) Application number: **21733364.0**

(22) Date of filing: **26.04.2021**

(51) International Patent Classification (IPC):
B24B 5/04 *(2006.01)* ***B24B 41/06*** *(2012.01)*
B23Q 1/01 *(2006.01)* ***B24B 41/00*** *(2006.01)*

(52) Cooperative Patent Classification (CPC):
B24B 5/04; B24B 41/007; B24B 41/06

(86) International application number:
PCT/CN2021/089928

(87) International publication number:
WO 2022/205548 (06.10.2022 Gazette 2022/40)

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

(30) Priority: **29.03.2021 CN 202110334644**

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(54) CYLINDRICAL GRINDING MACHINE

(57) The present disclosure provides a cylindrical grinder, which comprises a frame, a bed, a workbench, Z-axis guide rail components, X-axis guide rail components, B-axis rotating components, and a grinding frame, and the frame is fixed on the ground, the frame is connected to the bed through X-axis guide rail components, the workbench is connected to the bed through Z-axis guide rail components, and the grinding frame is connected to the workbench through B-axis rotating components. The present disclosure sets Z-axis guide rail components, X-axis guide rail components and B-axis rotating components, and by setting the Z-axis guide rail components as a negative pressure adsorption and static pressure support structure, setting the X-axis guide rail components as an air flotation unloading structure, and setting the B-axis rotating components as a direct-drive structure, the problem that the position of each component can not be adjusted quickly and efficiently is avoided.

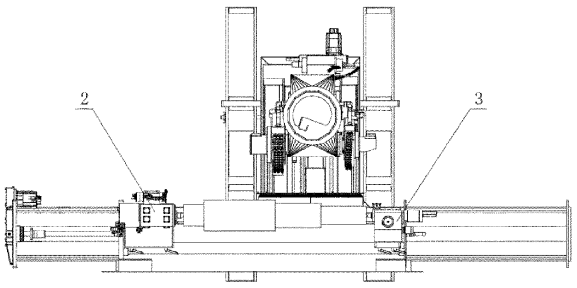

Figure 9

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