

Title (en)

PRECISE CALIBRATION APPARATUS AND METHOD FOR MAGNETORHEOLOGICAL POLISHING DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR GENAUEN KALIBRIERUNG EINER MAGNETORHEOLOGISCHEN POLIERVORRICHTUNG

Title (fr)

APPAREIL ET PROCÉDÉ D'ÉTALONNAGE PRÉCIS POUR DISPOSITIF DE POLISSAGE MAGNÉTORHÉOLOGIQUE

Publication

**EP 4186638 A4 20231220 (EN)**

Application

**EP 20945847 A 20201027**

Priority

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- CN 2020123912 W 20201027

Abstract (en)

[origin: EP4186638A1] The present disclosure provides a precision calibrating device and a precision calibrating method for a magnetorheological polishing device, which realize an automatic and quick calibration process. It is ensured that a polishing gap is kept within an allowable error range when the magnetorheological polishing device processes surfaces of different optical elements, thereby effectively controlling a removal function, reducing or eliminating surface residual errors after processing and low frequency errors and medium frequency errors introduced by insufficient trajectory precision of a mechanical arm, and improving a processing precision of the magnetorheological polishing device based on the mechanical arm.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [XAI] CN 108255129 A 20180706 - INST MECHANICAL MFG TECH CHINA ACAD ENG PHYSICS
- [A] CN 109605134 B 20200410
- See references of WO 2022016721A1

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