

Title (en)

MAGNETORHEOLOGICAL BRAKING DEVICE, IN PARTICULAR OPERATING APPARATUS

Title (de)

MAGNETORHEOLOGISCHE BREMSVORRICHTUNG, INSBESONDERE BEDIENEINRICHTUNG

Title (fr)

SYSTÈME DE FREINAGE MAGNÉTO-RHÉOLOGIQUE, NOTAMMENT DISPOSITIF DE COMMANDE

Publication

**EP 4334604 A1 20240313 (DE)**

Application

**EP 22728114 A 20220505**

Priority

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- EP 2022062171 W 20220505

Abstract (en)

[origin: WO2022234024A1] The invention relates to a magnetorheological braking device (1) for braking rotational movements, comprising an axle unit (2) and a rotary body (3) which is rotatable about the axle unit (2), wherein the rotatability of the rotary body (3) can be braked in a targeted manner by means of a magnetorheological braking apparatus (4) having a coil unit (24). A receiving chamber (13) is formed between the axle unit (2) and the rotary body (3), which receiving chamber is provided with a magnetorheological medium (34), the magnetorheological medium (34) comprising magnetorheological particles and gas as a filling medium. The receiving chamber (13) with the magnetorheological medium (34) is sealed between the parts moving relative to one another by means of a sealing device (7) with a sealing unit (37) having a contacting sealing lip.

IPC 8 full level

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CPC (source: EP US)

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