

Title (en)

BRAKING AND/OR CLAMPING DEVICE COMPRISING AN ANTI-FRICTION WEDGE GEAR

Title (de)

BREMS- UND/ODER KLEMMVORRICHTUNG MIT WÄLZGELAGERTEM KEILGETRIEBE

Title (fr)

DISPOSITIF DE FREINAGE ET/OU DE BLOCAGE COMPORTANT UNE TRANSMISSION À CLAVETTE LOGÉE SUR PALIERS À ROULEMENT

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Application

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Abstract (en)

[origin: WO2006108387A1] The invention relates to a braking and/or clamping device, which at least partially surrounds a rod (1) that can be displaced in relation to said device. The braking and/or clamping device comprises at least one wedge gear comprising a wedge (41) that can be displaced at least approximately parallel to the rod and a ram (43) that can be displaced at least approximately radially to the rod, an actuating device that acts on the wedge and a release device that acts on the wedge. The actuated ram presses a clamping sleeve against the rod in a radially pre-stressed manner. In addition, at least one part of the expansion joints of the wedge gear are configured to reduce friction. The invention provides a braking and/or clamping device, which produces a high clamping force with a compact construction.

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