

Title (en)
VALVE FOR A HYDRAULIC DOOR CLOSER

Title (de)
VENTIL EINER HYDRAULISCHEN TÜRBETÄTIGUNGSVORRICHTUNG

Title (fr)
VALVE POUR FERME-PORTE HYDRAULIQUE

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Abstract (en)
[origin: WO2010136150A1] The invention relates to a valve (1) for a hydraulic door actuating device. The door actuating device is set up for opening and/or closing a connected door, and comprises a housing (13). The valve (1) is set up in the housing (13) of the door actuating device for influencing a flow of hydraulic fluid (H) in the door actuating device. The valve (1) comprises a sleeve (2) and a slide (3) longitudinally displaceably guided in the sleeve (2) and pretensioned by a return spring (4) in the direction of a longitudinal axis (L) of the sleeve (2). The slide (3) comprises a thrust surface (5) contacting a counter edge (6) implemented on the sleeve (2) due to the action of the return spring (4), and thereby blocks the flow of hydraulic fluid (H), and is designed for being acted on mechanically and externally against the action of the return spring (4). The invention further relates to a door actuating device having such a valve, set up for hydraulically opening and/or closing a connected door, and a housing (13) and a hydraulic circuit, through which the hydraulic fluid is forced when the door actuating device performs an opening or closing motion. The valve (1) is integrated in the hydraulic circuit of the door actuating device, such that it blocks the flow of hydraulic fluid (H) in the hydraulic circuit due to the action of the return spring (4). The slide (3) is acted on mechanically by an actuating device (24) of the door actuating device during the opening or closing motion thereof, and is thereby forced away from the counter edge (6) in the direction of the return spring (4).

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