

Title (en)

BISTABLE SOLENOID VALVE FOR A HYDRAULIC BRAKE SYSTEM, ACTIVATION METHOD AND ASSEMBLY METHOD FOR THE SAME, AND BRAKE SYSTEM HAVING A SOLENOID VALVE OF SAID TYPE

Title (de)

BISTABLES MAGNETVENTIL FÜR EIN HYDRAULISCHES BREMSSYSTEM, ANSTEUERUNGSVERFAHREN UND MONTAGEVERFAHREN DAFÜR, SOWIE BREMSSYSTEM MIT EINEM DERARTIGEN MAGNETVENTIL

Title (fr)

ÉLECTROVANNE BISTABLE POUR SYSTÈME DE FREINAGE HYDRAULIQUE, PROCÉDÉ DE COMMANDE ET PROCÉDÉ DE MONTAGE ASSOCIÉS, AINSI QUE SYSTÈME DE FREINAGE COMPRENANT LADITE ÉLECTROVANNE

Publication

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Application

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Abstract (en)

[origin: WO2019020260A1] The present invention relates to a bistable solenoid valve (1) for a hydraulic brake system, having a guide sleeve (2) in which an upper immovable pole core (5) is arranged fixedly and a closing element (3) is arranged displaceably, wherein the closing element (3) is forced into a valve seat (4) during a closing movement and lifts off from the valve seat (4) during an opening movement, and the closing element (3) is fixedly connected to a magnet assembly (8), wherein an actuation of the movement of the closing element (3) is performed by means of the magnet assembly (8) by way of a coil (7) which is positioned around and substantially surrounds the guide sleeve (2), and wherein, furthermore, a lower immovable pole core (6) is arranged fixedly in the guide sleeve (2), and the magnet assembly (8) is positioned between the lower and the upper pole core (6, 5). The present invention furthermore relates to a method for controlling the solenoid valve (1) according to the invention, to a method for assembling the solenoid valve (1) according to the invention, and to a hydraulic brake system having the solenoid valve (1) according to the invention.

IPC 8 full level

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