

Title (en)

PEDAL TRAVEL SIMULATOR, ACTUATING UNIT FOR A HYDRAULIC BRAKE SYSTEM AND BRAKE SYSTEM

Title (de)

PEDALWEGSIMULATOR, BETÄTIGUNGSEINHEIT FÜR EINE HYDRAULISCHE BREMSANLAGE SOWIE BREMSANLAGE

Title (fr)

SIMULATEUR DE COURSE DE PÉDALE, UNITÉ D'ACTIONNEMENT POUR UN SYSTÈME DE FREINAGE HYDRAULIQUE ET SYSTÈME DE FREINAGE

Publication

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Application

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Abstract (en)

[origin: WO2012150108A1] The invention relates to a pedal travel simulator (4, 104) for the hydraulic connection to a pressure chamber (8) of a master brake cylinder (3) of a hydraulic brake system, in particular for motor vehicles, comprising a housing (5, 30, 105) and a simulator piston (18, 118) that is displaceably mounted in the housing, wherein the simulator piston delimits a first hydraulic simulator chamber (16, 116) together with the housing, which simulator chamber can accommodate pressurizing media, wherein an elastic restoring means (19, 119) acts on the simulator piston (18, 118), wherein the pedal travel simulator (4, 104) comprises a second hydraulic simulator chamber (26, 126) for accommodating pressurizing media, said simulator chamber being delimited by an elastically deformable membrane (32, 132). The invention further relates to an actuating unit for a hydraulic motor vehicle brake system of the "brake-by-wire" type and to a hydraulic motor vehicle brake system.

IPC 8 full level

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DE 19781643 B4 20090122 - KELSEY HAYES CO [US]

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