

Title (en)

FORCE MEASURING DEVICE FOR A PARKING BRAKE OF A VEHICLE, IN PARTICULAR OF A PASSENGER VEHICLE

Title (de)

KRAFTMESSVORRICHTUNG FÜR EINE FESTSTELLBREMSE EINES FAHRZEUGS, INSBESONDERE EINES PERSONENKRAFTWAGENS

Title (fr)

DISPOSITIF DE MESURE DE FORCE POUR UN FREIN DE STATIONNEMENT D'UN VEHICULE, NOTAMMENT D'UN VEHICULE AUTOMOBILE LEGER

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Application

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Abstract (en)

[origin: WO2007107404A1] Known force measuring devices for parking brakes have an actuating element which is connected to a Bowden cable and which is actuated by a Bowden cable actuating device. The force measuring device for the Bowden cable is conventionally integrated into the actuating element. Proposed is a simple and reliable force measuring device (1) for a parking brake of a vehicle, in particular of a passenger vehicle, having a housing (4), having a Bowden cable (2) for actuating the parking brake and having a force measuring element (15) for determining the cable force. According to the invention, the Bowden cable (2) is guided through the housing (4) and has stops (25, 26) which are fastened to the Bowden cable (2), a first stop (25) and a second stop (26), wherein under loading of the Bowden cable (2), the first stop (25) is fixedly supported on a housing inner side (12) of the housing (4) and the opposite, second stop (26) is supported on the force measuring element (15) which is provided between the housing (4) and the second stop (26), wherein a movement of the second stop (26) is generated corresponding to the loading of the Bowden cable (2), which movement leads, at the force measuring element (15), to a corresponding measurement value for the force transmitted by the Bowden cable (2). The force measuring device according to the invention is provided for parking brakes for passenger vehicles.

IPC 8 full level

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