

Title (en)

BRAKE CALLIPER IN TWO PARTS, BI-MATERIAL DISC BRAKE WITH AN ELECTROHYDRAULIC PARKING BRAKE, AND METHOD FOR INDUSTRIALISATION AND ASSEMBLY

Title (de)

BREMSSATTEL IN ZWEI TEILEN, SCHEIBENBREMSE AUS ZWEI MATERIALIEN MIT EINER ELEKTROHYDRAULISCHEN FESTSTELLBREMSE UND VERFAHREN ZUR INDUSTRIALISIERUNG UND ANORDNUNG

Title (fr)

ETRIER DE FREIN EN DEUX PARTIES, FREIN A DISQUE BI-MATIERE AVEC FREIN DE PARC ELECTRO-HYDRAULIQUE, ET PROCEDE D'INDUSTRIALISATION ET D'ASSEMBLAGE

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Abstract (en)

[origin: WO2017046392A1] The invention relates to a disc brake calliper, in particular for floating installation, for an automatic parking brake having a mechanical actuator with hydraulic assistance. Said calliper includes a first and a second arm which are rigidly interconnected by an arch in order to clamp the brake disc therebetween. According to the invention, the calliper includes: a first single-part portion, referred to as an added cylinder, forming the first arm and supporting the link with the vehicle, and a second single-part portion, referred to as an added arch, forming the calliper arch and the second arm, which is assembled rigidly on said first portion by mechanical assembly means. The added cylinder is typically made of aluminium, and the added arch is typically made of cast iron. According to one specific feature, the calliper includes a recess arranged so as to form the mechanical chamber of the parking brake actuator, formed in a single piece with the added cylinder. The invention also relates to a method for industrialisation and to an assembly method, including the definition and the assembly of a plurality of models of added arches on a single added cylinder model, and vice versa.

IPC 8 full level

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