

Title (en)

DISC BRAKE WITH FLOATING CALIPER, IN PARTICULAR FOR HIGH BRAKE HORSEPOWER

Title (de)

SCHWIMMSATTEL-SCHEIBENBREMSE, INSBESONDERE FÜR HOHE BREMSLEISTUNGEN

Title (fr)

FREIN A DISQUE A ETRIER FLOTTANT, NOTAMMENT POUR DES PUISSANCES DE FREINAGE ELEVEES

Publication

EP 1716350 A1 20061102 (DE)

Application

EP 05716670 A 20050211

Priority

- EP 2005050615 W 20050211
- DE 102004007474 A 20040213
- DE 102004018090 A 20040408

Abstract (en)

[origin: WO2005078306A1] The invention concerns a disc brake with floating caliper for a vehicle, said brake developing high horsepower. The invention aims at providing a floating caliper disc brake having high rigidity and heat resistance while having a reduced weight. Therefor, the inventive disc brake comprises a floating caliper (1, 41) forming a housing above the brake disc (2) and above the friction pads (3, 4) arranged on either side of the disc (2), said floating caliper being mounted mobile on a fixed component (15) of the vehicle by means of guide bolts (14, 57). The floating caliper (1, 41) in the form of a housing consists of inner caliper section (5, 45), provided with at least one actuating device (12, 52), and of an outer caliper section (6, 46) coupled with the inner caliper section (5, 45) by at least two housing sections (7, 47) located above the brake disc (2). The invention is characterized in that the caliper sections (5, 6, 45, 46) have a lightweight construction of the high-rigidity lattice type.

IPC 8 full level

F16D 55/228 (2006.01); **F16D 55/00** (2006.01); **F16D 55/22** (2006.01)

CPC (source: EP US)

F16D 55/22 (2013.01 - EP US); **F16D 55/227** (2013.01 - EP US); **F16D 2055/0016** (2013.01 - EP US); **F16D 2055/002** (2013.01 - EP US); **F16D 2055/0091** (2013.01 - EP US)

Citation (search report)

See references of WO 2005078306A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 2005078306 A1 20050825; EP 1716350 A1 20061102; US 2007170020 A1 20070726

DOCDB simple family (application)

EP 2005050615 W 20050211; EP 05716670 A 20050211; US 58929705 A 20050211