

Title (en)

DISC BRAKE EQUIPPED WITH A FLOATING CALIPER AND SEVERAL OUTER BRAKE PADS DIRECTLY SUPPORTED ON THE BRAKE ANCHOR PLATE

Title (de)

SCHEIBENBREMSE MIT EINEM SCHWIMMSATTEL UND MEHREREN AM BREMSHALTER DIREKT ABGESTÜTZTEN ÄUSSEREN BREMSKLÖTZEN

Title (fr)

FREIN A DISQUE POURVU D'UN ETRIER FLOTTANT ET DE PLUSIEURS PLAQUETTES DE FREIN EXTERIEURES DIRECTEMENT SUPPORTEES CONTRE LA FLASQUE DE FREIN

Publication

**EP 1507986 A1 20050223 (DE)**

Application

**EP 03749885 A 20030512**

Priority

- DE 10221516 A 20020514
- EP 0304935 W 20030512

Abstract (en)

[origin: WO03095860A1] The invention concerns a floating caliper brake comprising a brake anchor plate (5), a floating caliper (31), extending on the outer edge of a brake disc and guided so as to slide axially on said brake anchor plate (5), brake pads (1, 2, 3, 4) arranged on both sides of the brake disc, enclosed by the floating caliper (31) and of which at least two (1, 2) are arranged on the inner axial side of the brake disc and at least two (3, 4) on the outer axial side, the inner brake pads (1, 2) being guided so as to slide on the brake anchor plate (5). The invention aims at reducing the weight of a floating caliper brake while improving the brake assembly and operating conditions. Therefor, the two outer pads (3, 4) are supported by arms (6, 7, 8) of the anchor plate, projecting from the brake disc, while the floating caliper (31) acts on said two outer brake pads. The dependent claims disclose how such improvement is advantageously achieved.

IPC 1-7

**F16D 65/092**

IPC 8 full level

**F16D 65/095** (2006.01); **F16D 55/22** (2006.01); **F16D 55/224** (2006.01); **F16D 65/092** (2006.01); **F16D 65/14** (2006.01)

CPC (source: EP KR US)

**F16D 55/2255** (2013.01 - EP US); **F16D 55/226** (2013.01 - EP US); **F16D 65/092** (2013.01 - EP KR US); **F16D 2055/0008** (2013.01 - EP US); **F16D 2055/0037** (2013.01 - EP US); **F16D 2055/0041** (2013.01 - EP US); **F16D 2055/0091** (2013.01 - EP US); **F16D 2121/02** (2013.01 - EP US)

Citation (search report)

See references of WO 03095860A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**WO 03095860 A1 20031120**; CN 1653281 A 20050810; DE 10392544 D2 20050818; EP 1507986 A1 20050223; JP 2005525519 A 20050825; KR 20040102232 A 20041203; US 2005173205 A1 20050811

DOCDB simple family (application)

**EP 0304935 W 20030512**; CN 03810863 A 20030512; DE 10392544 T 20030512; EP 03749885 A 20030512; JP 2004503820 A 20030512; KR 20047018316 A 20030512; US 51422304 A 20041112