

Title (en)

HYDRAULICALLY-ACTUATED FULLY-LINED DISK BRAKES

Title (de)

HYDRAULISCH BETÄTIGTE VOLLBELAGSCHEIBENBREMSE, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

FREIN A DISQUE A GARNITURE PLEINE, A COMMANDE HYDRAULIQUE, EN PARTICULIER POUR VEHICULE A MOTEUR

Publication

EP 0873479 A1 19981028 (DE)

Application

EP 96946157 A 19961213

Priority

- DE 9602398 W 19961213
- DE 19600656 A 19960110

Abstract (en)

[origin: DE19600656A1] The invention concerns fully-lined disk brakes (6, 7, 8, 9, 10, 11) for vehicles which have a brake housing (8, 9) as well as two brake disks (6, 7) carrying brake linings fixed on a stationary brake carrier (5) and able to move freely in an axial direction but fixed in the circumferential direction. A hydraulic brake actuation device serving to actuate the brakes is mounted on the brake carrier (5) between the disk brakes (6, 7) to be freely movable in an axial direction. It consists of an inner ring piston (10) equipped with a feed connection (20) as well as an outer ring piston (11) with a vent connection (15). The inner ring piston (10) is secured against turning by the direct positive interlocking of the feed connection (20) through the brake carrier (5). The outer ring piston (11) engages in a toothing (53) of the brake carrier (5) in the circumferential direction at least indirectly. In this way, an offset angle between the feed connection (20) and the vent connection (15) is avoided.

IPC 1-7

F16D 55/10

IPC 8 full level

F16D 55/10 (2006.01); **F16D 65/22** (2006.01); **F16D 65/847** (2006.01)

CPC (source: EP KR)

F16D 55/10 (2013.01 - EP KR); **F16D 65/847** (2013.01 - EP KR); **F16D 2121/04** (2013.01 - KR); **F16D 2125/06** (2013.01 - KR)

Citation (search report)

See references of WO 9725547A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19600656 A1 19970717; EP 0873479 A1 19981028; JP 2000502783 A 20000307; JP H109295 A 19980113; KR 19990077117 A 19991025; WO 9725547 A1 19970717

DOCDB simple family (application)

DE 19600656 A 19960110; DE 9602398 W 19961213; EP 96946157 A 19961213; JP 1185997 A 19970108; JP 52472297 A 19961213; KR 19980705253 A 19980709