Title (en)

ARRANGEMENT OF FRICTION PAD ELEMENTS IN BRAKE PADS FOR THE PURPOSES OF INCREASING A CONTACT FORCE BETWEEN THE FRICTION PAD ELEMENTS DURING BRAKE ACTUATION

Title (de)

ANORDNUNG VON REIBBELAGELEMENTEN IN BREMSBELÄGEN ZUR ERHÖHUNG EINER KONTAKTKRAFT ZWISCHEN DEN REIBBELAGELEMENTEN BEI BREMSBETÄTIGUNG

Title (fr)

ENSEMBLE D'ÉLÉMENTS DE GARNITURE DE FRICTION DANS DES PLAQUETTES DE FREIN POUR AUGMENTER UNE FORCE DE CONTACT ENTRE LES ÉLÉMENTS DE GARNITURE DE FRICTION LORS DU FREINAGE

Publication

EP 3308048 A1 20180418 (DE)

Application

EP 16720092 A 20160427

Priority

- DE 102015109033 A 20150609
- EP 2016059330 W 20160427

Abstract (en)

[origin: WO2016198206A1] In the case of a brake pad for a disk brake of a vehicle having a carrier plate and having multiple friction pad elements arranged so as to be movable relative to the carrier plate, in order to further improve said brake pad such that brake squealing can be prevented as substantially as possible and, at the same time, additional wear owing to ice and abrasive particles encountered in winter conditions is counteracted, it is proposed for a spring system between the carrier plate and the friction pad elements to be designed such that, during brake actuation, and owing to a resulting pad pressing force against the friction pad elements, a contact force between at least two adjacent friction pad elements is increased.

IPC 8 full level

F16D 65/00 (2006.01); **F16D 65/092** (2006.01)

CPC (source: EP RU US)

B61H 5/00 (2013.01 - RU); **F16D 65/00** (2013.01 - RU); **F16D 65/0006** (2013.01 - EP US); **F16D 65/092** (2013.01 - EP RU US); **F16D 69/04** (2013.01 - RU); **F16D 69/0408** (2013.01 - US); F16D 2069/0433 (2013.01 - US)

Citation (search report)

See references of WO 2016198206A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015109033 A1 20161215; CN 108138874 A 20180608; CN 108138874 B 20200714; EP 3308048 A1 20180418; HK 1256694 A1 20191004; JP 2018517107 A 20180628; JP 6693015 B2 20200513; RU 2017142609 A 20190710; RU 2017142609 A3 20190717; RU 2716306 C2 20200311; US 2018328432 A1 20181115; WO 2016198206 A1 20161215; ZA 201708187 B 20181128

DOCDB simple family (application)

DE 102015109033 A 20150609; CN 201680040819 A 20160427; EP 16720092 A 20160427; EP 2016059330 W 20160427; HK 18115679 A 20181206; JP 2017563596 A 20160427; RU 2017142609 A 20160427; US 201615580102 A 20160427; ZA 201708187 A 20171201