

Title (en)

METHOD AND SYSTEM FOR MONITORING THE LINING CLEARANCE IN A DISC BRAKE OR DRUM BRAKE

Title (de)

VERFAHREN UND SYSTEM ZUR ÜBERWACHUNG DES BELAGZWISCHENRAUMS BEI EINER SCHEIBENBREMSE ODER TROMMELBREMSE

Title (fr)

PROCÉDÉ ET SYSTÈME DE SURVEILLANCE DU JEU DE LA GARNITURE DANS UN FREIN À DISQUE OU UN FREIN À TAMBOUR

Publication

**EP 2310240 A4 20180228 (EN)**

Application

**EP 09794733 A 20090702**

Priority

- SE 2009050856 W 20090702
- SE 0801662 A 20080710

Abstract (en)

[origin: WO2010005379A1] Method and system for monitoring the lining clearance of a disc brake or drum brake (10) which is provided with one or more brake linings (11a, 11b) and which is applied by pneumatic or hydraulic brake pressure imparted by a brake cylinder (12). The relationship between the stroke of the brake cylinder, or of some portion of a brake mechanism (16), and the brake pressure of the brake cylinder, is determined at the time of a braking operation on the basis of measured values representing said stroke and measured values representing said brake pressure. The position where the brake linings under the action of the brake cylinder come into initial contact with the brake disc or brake drum at the time of the respective braking operation is determined by analysis of the gradient of the relationship between said stroke and said brake pressure, after which a calculation value representing the prevailing lining clearance is determined on the basis of the difference between the measured value of said stroke registered in said determined position and a measured value of said stroke registered at a time when said brake pressure is nil.

IPC 8 full level

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CPC (source: EP KR SE)

**B60T 17/18** (2013.01 - EP KR); **B60T 17/221** (2013.01 - SE); **F16D 66/00** (2013.01 - KR); **F16D 66/023** (2013.01 - SE)

Citation (search report)

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- [Y] US 2004260486 A1 20041223 - BUSCHMANN GUNTHER [DE], et al
- [Y] US 4937554 A 19900626 - HERMAN MARK N [US]
- [A] EP 0588193 A1 19940323 - BOSCH GMBH ROBERT [DE]
- See also references of WO 2010005379A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**SE 2009050856 W 20090702**; EP 09794733 A 20090702; JP 2011517381 A 20090702; KR 20117003195 A 20090702; MY PI20110119 A 20090702; SE 0801662 A 20080710; SG 2013052394 A 20090702