

Title (en)
METHOD FOR CONTROLLING A WHEEL BRAKE PRESSURE IN A HYDRAULIC VEHICLE BRAKING SYSTEM

Title (de)
VERFAHREN ZUR REGELUNG EINES RADBREMSDRUCKS EINER HYDRAULISCHEN FAHRZEUGBREMSANLAGE

Title (fr)
PROCÉDÉ POUR LA RÉGULATION D'UNE PRESSION DE FREIN DE ROUE D'UNE INSTALLATION DE FREIN HYDRAULIQUE DE VÉHICULE

Publication
EP 2655142 A1 20131030 (DE)

Application
EP 11773279 A 20111025

Priority

- DE 102010064035 A 20101223
- EP 2011068601 W 20111025

Abstract (en)
[origin: WO2012084308A1] The invention relates to a method for controlling the wheel brake pressures in wheel brake cylinders (3) in a hydraulic vehicle braking system (1). The invention proposes to connect the wheel brake cylinders (3) via wheel valves (10) to a piston pump (4), the pistons (8) of which are double-action pistons, and the two piston sides are connectable by means of pump valves (11). In order to increase the wheel brake pressure, the wheel valves (10) are opened during a delivery stroke of the piston pump (4) and the pump valves (11) are closed, and the wheel valves (10) are closed and the pump valves (11) opened during a suction stroke. In order to reduce the wheel brake pressures, the valves (10, 11) are controlled in reverse.

IPC 8 full level
B60T 8/34 (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP KR US)
B60T 8/34 (2013.01 - KR); **B60T 8/4031** (2013.01 - EP US); **B60T 8/4086** (2013.01 - EP US); **B60T 13/168** (2013.01 - US); **F04B 1/04** (2013.01 - KR)

Citation (search report)
See references of WO 2012084308A1

Cited by
US10588570B2; US10609646B2; US9740740B1; US10372710B2

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

DOCDB simple family (publication)
WO 2012084308 A1 20120628; CN 103269924 A 20130828; CN 103269924 B 20160817; DE 102010064035 A1 20120628; EP 2655142 A1 20131030; KR 20130129989 A 20131129; US 2013342005 A1 20131226; US 9216723 B2 20151222

DOCDB simple family (application)
EP 2011068601 W 20111025; CN 201180062245 A 20111025; DE 102010064035 A 20101223; EP 11773279 A 20111025; KR 20137016125 A 20111025; US 201113996417 A 20111025