

Title (en)  
VEHICLE BRAKING SYSTEM COMPRISING A GAS HYDRAULIC ACCUMULATOR

Title (de)  
FAHRZEUGBREMSANLAGE MIT EINEM GASDRUCKSPEICHER

Title (fr)  
DISPOSITIF DE FREINAGE POUR VEHICULE, POURVU D'UN RESERVOIR DE GAZ COMPRIME

Publication  
**EP 1228318 A2 20020807 (DE)**

Application  
**EP 00981234 A 20001102**

Priority  
• DE 19954326 A 19991111  
• EP 0010809 W 20001102

Abstract (en)  
[origin: WO0134984A2] The invention relates to a vehicle braking system comprising a gas hydraulic accumulator (10) with a housing (12), whose interior is divided by metal bellows (16) into a gas-filled gas chamber (20) and a fluid chamber (22). A pressurised fluid can be supplied to and conveyed from said fluid chamber (22) via a supply line (24). A valve assembly (74) is provided between the fluid chamber (22) and the supply line (24), which closes if the pressure in the supply line (24) falls below a minimum value and opens if the pressure exceeds said minimum value. In order to increase the operating security of the gas hydraulic accumulator (10), the valve assembly (74) closes if the pressure in the supply line (24) exceeds a maximum value and opens if the pressure falls below said maximum value.

IPC 1-7  
**F15B 1/22**

IPC 8 full level  
**B60T 17/00** (2006.01); **F15B 1/02** (2006.01); **F15B 1/08** (2006.01); **F15B 1/10** (2006.01); **F15B 1/22** (2006.01)

CPC (source: EP US)  
**F15B 1/103** (2013.01 - EP US); **F15B 1/22** (2013.01 - EP US); **F15B 2201/205** (2013.01 - EP US); **F15B 2201/312** (2013.01 - EP US); **F15B 2201/3153** (2013.01 - EP US); **F15B 2201/3158** (2013.01 - EP US); **F15B 2201/32** (2013.01 - EP US); **F15B 2201/411** (2013.01 - EP US); **F15B 2201/415** (2013.01 - EP US); **F15B 2201/4155** (2013.01 - EP US)

Citation (search report)  
See references of WO 0134984A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0134984 A2 20010517; WO 0134984 A3 20011018**; AT E248994 T1 20030915; AT E307979 T1 20051115; AU 1855301 A 20010606; DE 19954326 A1 20010523; DE 19954326 B4 20060629; DE 50003583 D1 20031009; DE 50011469 D1 20051201; EP 1228318 A2 20020807; EP 1228318 B1 20030903; EP 1251282 A2 20021023; EP 1251282 A3 20030702; EP 1251282 B1 20051026; ES 2206332 T3 20040516; ES 2250552 T3 20060416; JP 2003175819 A 20030624; JP 2003514202 A 20030415; US 2002180260 A1 20021205; US 2003038532 A1 20030227; US 6616247 B2 20030909; US 6666529 B2 20031223

DOCDB simple family (application)  
**EP 0010809 W 20001102**; AT 00981234 T 20001102; AT 02016285 T 20001102; AU 1855301 A 20001102; DE 19954326 A 19991111; DE 50003583 T 20001102; DE 50011469 T 20001102; EP 00981234 A 20001102; EP 02016285 A 20001102; ES 00981234 T 20001102; ES 02016285 T 20001102; JP 2001536883 A 20001102; JP 2002309443 A 20021024; US 14373102 A 20020509; US 21606402 A 20020809