

Title (en)
VEHICLE BRAKE SYSTEM

Title (de)
KRAFTFAHRZEUGBREMSSYSTEM

Title (fr)
SYSTEME DE FREIN POUR VEHICULE

Publication
EP 1474320 A2 20041110 (EN)

Application
EP 02736727 A 20020510

Priority
• US 0214799 W 20020510
• US 29008301 P 20010510

Abstract (en)
[origin: WO02090164A2] A vehicle brake system (10) includes a master cylinder (12) having a housing defining a bore therein. A boost piston (26) and a primary piston (28) are slidably disposed in the bore (30). The master cylinder (12) has a boost chamber (34) defined at least in part by the boost piston (26) and the housing. The system further includes a source of pressurized fluid and a boost valve (32) operable to supply fluid from the source of pressurized fluid to the boost chamber (34) for advancing the boost piston (26) and the primary piston (28) in the master cylinder (12). According to one aspect of the invention, the boost valve (32) is housed in the boost piston (26). According to another aspect of the invention, the brake system includes a switchable travel rate feature. According to yet another aspect of the invention, the master cylinder includes a jump in feature. Additional features of the invention are also described herein.

IPC 1-7
B60T 13/14; **B60T 8/44**

IPC 8 full level
B60T 8/24 (2006.01); **B60T 8/26** (2006.01); **B60T 8/44** (2006.01); **B60T 8/48** (2006.01); **B60T 13/14** (2006.01); **B60T 13/68** (2006.01); **B60T 17/18** (2006.01)

CPC (source: EP)
B60T 8/26 (2013.01); **B60T 8/268** (2013.01); **B60T 8/441** (2013.01); **B60T 8/445** (2013.01); **B60T 8/4836** (2013.01); **B60T 13/142** (2013.01); **B60T 13/686** (2013.01); **B60T 17/18** (2013.01)

Citation (search report)
See references of WO 02090164A2

Designated contracting state (EPC)
AT BE CH CY DE FR GB IT LI

DOCDB simple family (publication)
WO 02090164 A2 20021114; **WO 02090164 A3 20040902**; EP 1474320 A2 20041110

DOCDB simple family (application)
US 0214799 W 20020510; EP 02736727 A 20020510