

Title (en)
POWER-BRAKE SYSTEM.

Title (de)
FREMDKRAFTBREMSANLAGE.

Title (fr)
FREIN ACTIONNE PAR UNE FORCE EXTERIEURE.

Publication
EP 0683740 A1 19951129 (DE)

Application
EP 95902063 A 19941213

Priority
• DE 9401476 W 19941213
• DE 4343314 A 19931218

Abstract (en)
[origin: WO9516593A1] Proposed is a pedal-actuated power brake system with a pedal-travel simulator (34) and a reference-value indicator (58) linked to the pedal-travel simulator. For instance, a second sensor which may be used alternatively as the reference-value indicator (59) may be fitted. The second reference-value indicator (59) is a pressure indicator. The size of the signals from the two reference-value indicators (58 and 59) is monitored by an electronic control unit (60) for essential correspondance. If any undue difference in signal size occurs, power-brake operation is suppressed. Braking is then possible by means of an emergency braking cylinder (44). The power-brake system proposed is suitable for use in passenger and goods vehicles, in particular vehicles equipped with an antilocking brake system (ABS) or an antislip control system (ASR).

IPC 1-7
B60T 13/14; **B60T 8/40**

IPC 8 full level
B60T 13/66 (2006.01); **B60T 7/04** (2006.01); **B60T 8/40** (2006.01); **B60T 13/14** (2006.01)

CPC (source: EP KR US)
B60T 7/042 (2013.01 - EP US); **B60T 8/40** (2013.01 - KR); **B60T 8/4086** (2013.01 - EP US); **B60T 13/14** (2013.01 - KR);
B60T 13/146 (2013.01 - EP US); **Y10S 303/03** (2013.01 - EP US); **Y10S 303/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9516593A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4343314 A1 19950622; EP 0683740 A1 19951129; JP H08507021 A 19960730; KR 960700923 A 19960224; US 5567021 A 19961022;
WO 9516593 A1 19950622

DOCDB simple family (application)
DE 4343314 A 19931218; DE 9401476 W 19941213; EP 95902063 A 19941213; JP 51646095 A 19941213; KR 19950703465 A 19950818;
US 49189895 A 19950714