

Title (en)  
BRAKE FORCE MULTIPLIER

Title (de)  
BREMSKRAFTÜBERSETZUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF MULTIPLICATEUR DE FORCE DE FREINAGE

Publication  
**EP 1035993 A1 20000920 (DE)**

Application  
**EP 98965799 A 19981210**

Priority  
• DE 19755442 A 19971213  
• EP 9808024 W 19981210

Abstract (en)  
[origin: DE19755442A1] The invention relates to a brake force multiplier, especially for motor vehicles, comprising an input member (2) that can be actuated in order to impinge upon a brake master cylinder (in particular) with a brake boosting force, and a control valve (4) arranged in a control housing (5) in order to regulate said brake boosting force. A reaction element is provided (16,80) with at least one surface (18) enabling force to be transmitted between the input and output members. Said device also contains a moveable pressure component (26,54,82) which is used to modify a counter surface acting upon the reaction element (16,80). The invention is characterised in that the pressure component (26,54,82) is detachably connected to the input member (2) or to components joined thereto by means of a driver element (40,51,70) in order to increase brake boosting according to relative displacement between the input member (2) and the control housing (5). The inventive brake force multiplier results in sharper brake response, especially during sudden operations such as panic braking.

IPC 1-7  
**B60T 13/575**; **B60T 13/569**

IPC 8 full level  
**B60T 8/32** (2006.01); **B60T 13/569** (2006.01); **B60T 13/575** (2006.01)

CPC (source: EP)  
**B60T 8/3275** (2013.01); **B60T 13/569** (2013.01); **B60T 13/575** (2013.01)

Citation (search report)  
See references of WO 9930946A1

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**DE 19755442 A1 19990617**; EP 1035993 A1 20000920; WO 9930946 A1 19990624

DOCDB simple family (application)  
**DE 19755442 A 19971213**; EP 9808024 W 19981210; EP 98965799 A 19981210