

Title (en)
FORCE TRANSMITTING HYDROMECHANIC DEVICE

Title (de)
HYDROMECHANISCHE KRAFTÜBERTRAGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF HYDRO-MECANIQUE DE TRANSMISSION D'EFFORT

Publication
EP 1056629 A1 20001206 (FR)

Application
EP 99904925 A 19990222

Priority
• FR 9900392 W 19990222
• FR 9802377 A 19980227

Abstract (en)
[origin: FR2775459A1] The invention concerns a device for transmitting and amplifying force for a braking system, comprising a pedal (1) and an output rod (2), and capable of transmitting via its output rod (2), in response to an input force (F1) of a first intensity level exerted on the pedal (1), an output force (F2) of a second intensity level higher than the first. The invention is characterised in that it further comprises an input rod (3) integral with the pedal (1), a primary piston (4) integral with the input rod (3); a primary cylinder (5) of a first diameter (D1) wherein the primary piston (4) defines a primary chamber (51); a secondary piston (6) whereof the output rod (2) is made integral; and a secondary cylinder (7) of a second diameter (D2), larger than the first (D1), wherein the secondary piston (6) defines a secondary chamber (71) communicating with the primary chamber (51).

IPC 1-7
B60T 7/04

IPC 8 full level
B60T 7/04 (2006.01); **B60T 11/224** (2006.01); **F15B 7/00** (2006.01)

CPC (source: EP US)
B60T 7/04 (2013.01 - EP US); **B60T 11/224** (2013.01 - EP US); **F15B 7/00** (2013.01 - EP US)

Citation (search report)
See references of WO 9943522A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
FR 2775459 A1 19990903; FR 2775459 B1 20000421; EP 1056629 A1 20001206; US 6324844 B1 20011204; WO 9943522 A1 19990902

DOCDB simple family (application)
FR 9802377 A 19980227; EP 99904925 A 19990222; FR 9900392 W 19990222; US 26915999 A 19990316