

Title (en)
ELECTRONIC REGULATOR WITH COOLING BY MEANS OF A VALVE BLOCK

Title (de)
ELEKTRONISCHE REGELEINHEIT MIT KÜHLUNG DURCH VENTILBLOCK

Title (fr)
UNITE DE REGLAGE ELECTRONIQUE A REFROIDISSEMENT PAR UN BLOC DE DISTRIBUTION ET DE REGULATION

Publication
EP 1883564 A1 20080206 (DE)

Application
EP 06777221 A 20060516

Priority
• EP 2006062331 W 20060516
• DE 102005023837 A 20050524

Abstract (en)
[origin: WO2006125732A1] The invention relates to hydraulic/electronic regulators (1, 2) for an electronic brake regulation system. A hydraulic/electronic regulator for current ABS/ASR/ESP units essentially comprises a central hydraulic block (6) and an electronic regulator (1) containing control electronics on a control circuit board (4). The aim of the invention is the production of a simply-assembled electronic regulator device (1) and an economically-assembled electronic regulator (1, 2). Said aim is essentially achieved whereby the control circuit board (4) is assembled such as to be completely electrically insulated to the outside on at least one first side (28) and to have an essentially smooth surface. It is thus possible to use the hydraulic block (6) for cooling the control circuit board (4). Further advantageous embodiments of the invention are given in the subsequent claims.

IPC 8 full level
B60T 8/36 (2006.01)

CPC (source: EP US)
B60T 8/368 (2013.01 - EP US); **H05K 1/18** (2013.01 - EP US); **H05K 3/325** (2013.01 - EP US); **H05K 2201/1003** (2013.01 - EP US); **H05K 2201/10265** (2013.01 - EP US); **H05K 2201/10333** (2013.01 - EP US)

Citation (search report)
See references of WO 2006125732A1

Cited by
CN105083244A

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 2006125732 A1 20061130; DE 102005023837 A1 20061214; EP 1883564 A1 20080206; US 2009250998 A1 20091008

DOCDB simple family (application)
EP 2006062331 W 20060516; DE 102005023837 A 20050524; EP 06777221 A 20060516; US 92080706 A 20060516