Title (en)

ELECTRONIC CONTROL UNIT FOR MOTOR VEHICLE BRAKING SYSTEMS

Title (de)

ELEKTRONISCHE KONTROLLEINHEIT FÜR KRAFTFAHRZEUGBREMSSYSTEME

Title (fr)

UNITE DE COMMANDE ELECTRONIQUE DE SYSTEMES DE FREINAGE DE VEHICULES AUTOMOBILES

Publication

EP 1697190 A2 20060906 (DE)

Application

EP 04804831 A 20041215

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Abstract (en)

[origin: WO2005058664A2] The invention relates to an electronic control unit (14), in particular in motor vehicle braking systems, which is connected to a hydraulic unit (13) by means of a magnetic connector. Said electronic control unit comprises: an area formed by the housing walls (14'), said area being used to receive several valve coils (12) which are arranged in said area, a housing cover (8, 35), at least one first circuit board (31, 5) which is used to receive electric and/or electronic components and an electric contact part and one first heat conducting plate (9, 32) which is used to guide heat away from the electronic components. The first heat conducting plate is connected in a flat manner to the first circuit board, and at least one heat connecting element (4, 15) which produces a thermal bridge between the first circuit board(s) and the first heat conducting plates, is provided. The invention also relates to a pump drive unit which co-operates with said control unit, whereby a motor base plate (22), for the electronic power components of the motor, is provided. The invention further relates to an electrohydraulic control device, wherein one or several elongate heat conducting elements (172) are arranged, said elements being in contact with the hydraulic block (13) and the cooling element (9) in order to form a thermal bridge. One longitudinal side of the heat conducting elements (172) is connected, in a positive or non-positive fit, to the hydraulic block or to the cooling element (9) and the opposite longitudinal sides thereof (1712) are arranged on the hydraulic block or the cooling element without the detachable non-positive fit connection.

IPC 8 full level

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Citation (search report)

See references of WO 2005058664A2

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