Title (en)

ELECTRONIC CONTROL CIRCUIT

Title (de)

ELEKTRONISCHE STEUERSCHALTUNG

Title (fr)

CIRCUIT DE COMMANDE ELECTRONIQUE

Publication

EP 0980575 A1 20000223 (DE)

Application

EP 98924050 A 19980507

Priority

- DE 9801253 W 19980507
- DE 19719602 A 19970509

Abstract (en)

[origin: DE19719602A1] The invention relates to an electronic control unit for controlling an electromagnetic valve having an armature, in particular for a heating and/or air conditioning installation in a motor vehicle. The circuit has an electronic switch element (8) which is mounted in a row with the valve coil. Said switch element (8) is characterized in that it controls the valve voltage (29) (or valve current (44)) at the coil (12) in such a way that, when the valve is switched in, the valve voltage (29) reaches a first value (U1). The valve voltage (29) is then brought back to a second value (U2) which is less than the first value (U1). The valve voltage (29) then takes on a third value (N) which is greater than the second value (U2) and represents a withstand voltage for maintaining the armature (13) in its switch-on position.

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