Title (en)
  DEVICE FOR RESETTING A THROTTLE VALVE

Title (de)
  VORRICHTUNG ZUR RÜCKSTELLUNG EINER DROSSELKLAPPE

Title (fr)
  DISPOSITIF DE RAPPEL D'UN PAPILLON DES GAZ

Publication
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Application
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Priority
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Abstract (en)
  [origin: WO0171173A1] The invention relates to a device for resetting a throttle valve to a defined emergency air position for controlling the combustion air of an internal combustion engine. The inventive device comprises a throttle valve shaft (11) which is rotatably mounted in a housing (10) and carries a carrier (12) which can be driven. Said device also comprises a pre-stressed clamp spring (13). The spring ends (131, 132) of said clamp spring fix an emergency air position of the throttle valve (30) on stopper surfaces (16, 17) which are facing away from each other, by simultaneously embracing a stopper (14) of the housing and a stopper (15) of the carrier. The throttle valve (30) can be adjusted from said emergency air position by rotating the carrier (15). The aim of the invention is to obtain rotational freedom of the carrier (12) in the emergency air position between a spring end (131) of the clamp spring (13) and a stopper surface (16). A compensation spring (18) having a defined pre-stressing force which acts in the opposite direction in relation to the spring force of the clamp spring (13) is arranged on one of the stoppers (14).

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