Title (en)
METHOD FOR REGENERATING AN EGR COOLER

Title (de)
VERFAHREN ZUR REGENERATION EINES EGR-KÜHLERS

Title (fr)
PROCÉDÉ DE RÉGÉNÉRATION D'UN REFROIDISSEUR RGE

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Application
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Abstract (en)
[origin: WO2014095329A1] The invention relates to a method for regenerating an EGR cooler (6) in an EGR tract (5) arranged between an exhaust system (3) and an intake system (2) of an internal combustion engine (1), wherein, in the EGR tract (5), there is arranged at least one EGR cooler (6) which has at least one first exhaust-gas flow path (31) and which can be bypassed by means of at least one bypass line (8) which has at least one second exhaust-gas flow path (32), wherein operation for regeneration of the EGR cooler (6) is carried out during at least a cold-start and warm-up phase of the internal combustion engine (1). To be able to carry out an effective regeneration of the EGR cooler (6), it is provided that, during a saturation phase, condensed water from the exhaust-gas volume from the combustion process is absorbed in the EGR cooler (6) by a secondary layer (22), situated at the exhaust-gas side, of the accumulated dirt (20) on the wall of the EGR cooler (6), and in that, during a cleaning phase in the warm-up phase of the internal combustion engine (1), the absorbed water is heated and expands such that the secondary layer (22) is removed.

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Cited by
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