

Title (en)

Process for the reduction of the content of NOx in the exhaust gas of an internal combustion engine

Title (de)

Verfahren zur NOx-Reduzierung an gemischverdichtenden Brennkraftmaschinen

Title (fr)

Procédé pour la réduction de la teneur en NOx des gaz d'échappement d'un moteur à combustion interne.

Publication

EP 0922846 B1 20040526 (DE)

Application

EP 98120906 A 19981104

Priority

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Abstract (en)

[origin: EP0922846A2] In an internal combustion engine NOx reduction process, the lambda value is reduced at a low mean combustion space temperature and increased at a high mean temperature so that the engine can run near the cut-out limit under any operating conditions. In a NOx reduction process for a mixture-compression internal combustion engine running in lean burn mode with a fuel/air ratio lambda of greater than 1, the lambda value is smoothly regulated by an engine control unit in accordance with the mean engine combustion space temperature such that the lambda value is reduced at a low mean temperature and increased at a high mean temperature so that the engine can be operated near the cut-out limit under any operating conditions.

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