

Title (en)

System for treating NO_x in the exhaust gas stream of an automotive internal combustion engine

Title (de)

System zur Behandlung von NO_x im Abgasstrom einer automobilen Brennkraftmaschine

Title (fr)

Système de traitement des NO_x de gaz d'échappement d'un moteur thermique de véhicule automobile

Publication

EP 1662105 A1 20060531 (FR)

Application

EP 05292350 A 20051107

Priority

FR 0411882 A 20041108

Abstract (en)

The system has an exhaust pipe (16) with a reactor (18) producing non-thermal plasma from exhaust gas received in its inlet. A catalyst (22) arranged in a downstream of the reactor reduces nitrogen oxide. The catalyst has different catalytic units (22a, 22b, 22c) including thermal windows for different catalytic activities. The windows are complementary and are operated in high, medium and low temperatures, respectively.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [Y] BE 1006164 A3 19940531 - DIDIER WERKE AG [DE]
- [A] EP 1095702 A1 20010502 - TOYOTA MOTOR CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11 30 September 1999 (1999-09-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01 14 January 2003 (2003-01-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12 5 December 2003 (2003-12-05)
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