

Title (en)

Device for treating an exhaust gas from a combustion engine

Title (de)

Einrichtung zur Abgasnachbehandlung von Verbrennungsmotoren

Title (fr)

Dispositif de traitement des gaz d'échappement d'un moteur à combustion

Publication

EP 1225312 A3 20040519 (FR)

Application

EP 01403246 A 20011214

Priority

FR 0016862 A 20001222

Abstract (en)

[origin: FR2818688A1] The exhaust gas treatment unit, set in the exhaust line of an i.c. engine, consists of a housing containing a catalyst in the form of a support (18) through which the exhaust gases can pass, coated with a mixture of a first substance (20) which can oxidize nitrogen monoxide into nitrogen dioxide, and a second substance (22) which stores the nitrogen dioxide. The concentration of the first substance in the mixture reduced from the front of the support to the rear in order to enhance the nitrogen dioxide storage capacity, especially when the exhaust gas temperature is below 400 deg C. The support can be in the form of a single block of material or in two blocks, each with a front end and a rear end. The first substance in the coating contains a precious metal such as platinum, palladium or radium (sic), while the second is based on an alkali or alkaline earth.

IPC 1-7

F01N 3/08; **F01N 3/28**

IPC 8 full level

F01N 3/08 (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP)

F01N 3/0814 (2013.01); **F01N 3/0842** (2013.01); **F01N 3/2803** (2013.01)

Citation (search report)

- [YA] WO 9810177 A1 19980312 - VOLKSWAGEN AG [DE], et al
- [A] EP 1033161 A1 20000906 - DORNIER GMBH [DE]
- [A] EP 0716876 A1 19960619 - TOYOTA MOTOR CO LTD [JP]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)

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EP1273773A3

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FR 2818688 A1 20020628; **FR 2818688 B1 20030627**; DE 60117509 D1 20060427; DE 60117509 T2 20060831; EP 1225312 A2 20020724; EP 1225312 A3 20040519; EP 1225312 B1 20060301

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