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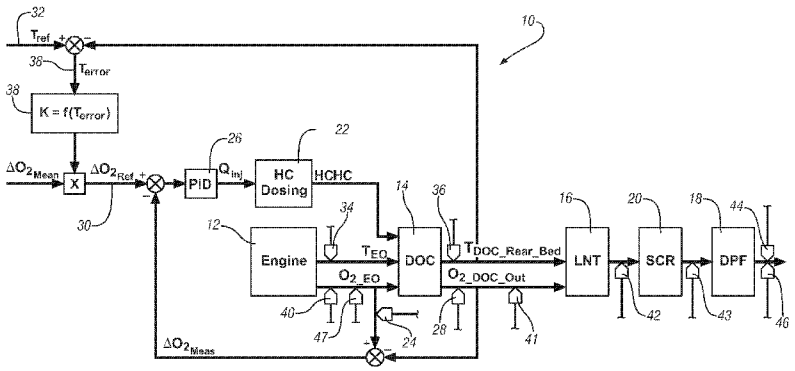
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(54) Title: REGENERATION SYSTEM AND METHOD FOR EXHAUST AFTERTREATMENT DEVICES



(57) Abstract: A method and system is disclosed for regenerating a particulate filter, desulfating a lean NOx trap, desulfating or regenerating a hydrocarbon- selective catalytic reduction catalyst, desulfating or regenerating a urea- selective catalytic reduction catalyst, or a combination thereof.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

F01N 3/023(2006.01)i, F01N 3/02(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC F01N 3/023

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Utility models and applications for Utility models since 1975
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & keywords: "oxidation catalyst", "oxygen sensor", "reduction catalyst" and "NOx"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y A	US 6823666 B2 (ODENDALL, B.) 30 November 2004 See abstract; figures 1-7; column 4 line 6-column 7 line 30; claims.	1, 4-10, 13, 16-22 2-3, 11-12, 14-15, 23
Y A	US 2007/0137181 A1 (UPADHYAY, D.; NIEUWSTADT, M.V.) 21 June 2007 See abstract; figures 1-3; paragraphs 15-30; claims	1, 4-10, 13, 16-22 2-3, 11-12, 14-15, 23
A	JP 2005-351171 A (TOYOTA MOTOR CO. LTD.) 22 December 2005 See abstract; figures 1-11; paragraphs 6-37; claims.	1-23
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☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Information on patent family members

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