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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,  
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,  
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TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,  
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,  
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SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
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patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the  
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(54) Title: COATING COMPOSITION FOR ALDEHYDE ABATEMENT

(57) Abstract: A method includes applying an aldehyde abatement composition to a substrate to reduce at least one of the amount of an aldehyde on the substrate, the amount of an aldehyde emitted from the substrate, or the amount of an aldehyde near the substrate. The composition includes an amino-functional compound selected from: (1) compounds with a primary amino functional group and a weight average molecular weight of less than about 1000 g/mol; (2) compounds with a secondary amino functional group; (3) compounds with a tertiary amino functional group; (4) compounds with a functional group comprising an amine complex; and combinations thereof.



**A. CLASSIFICATION OF SUBJECT MATTER***C09D 161/00(2006.01)i, B01D 53/02(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)

C09D 161/00; C09D 5/00; B05D 1/36; C08K 5/17; B32B 27/06; C09D 201/00; B32B 9/04

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

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords:"aldehyde", "formaldehyde", "amine", "amino", "coating", "polyetheramine", "acetoacetyl"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2010-0190021 A1 (RUBA EVA et al.) 29 July 2010 See claims 20-22, 29-30, paras. [0001]-[0003].	1, 3, 17-19, 26-31 2, 4-16, 20-25
A	US 2006-0222877 A1 (KHABBAZ. F, et al.) 05 October 2006 See abstract. claims 1, 14.	1-31
A	JP 2005-054089 A (AMUCO TECHNOLOGY KK) 03 March 2005 See claim 1, paras. [0001][0002], [0013], [0015], [0016].	1-31
A	KR 10-0574852 B1 (TAE SUNG ENVIRONMENT INSTITUTE CORPORATION) 27 April 2006 See abstract, claim 1.	1-31

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

29 JUNE 2012 (29.06.2012)

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2011/063964**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		BR P10706437 A2	29.03.2011
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