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(71) Applicant (for all designated States except US): **HONEYWELL INTERNATIONAL INC.** [US/US]; 101 Columbia Road, Morristown, New Jersey 07962 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MUKHOPADHYAY, Sudip** [IN/US]; Honeywell International Inc., Patent Services M/S AB/2B, 101 Columbia Road, P. O. Box 2245, Morristown, New Jersey 07962-2245 (US). **PANDEY, Yamini** [US/US]; Honeywell International Inc., Patent Services M/S AB/2B, 101 Columbia Road, P. O. Box 2245, Morristown, New Jersey 07962-2245 (US). **DANKERS, Lea** [US/US]; Honeywell International Inc., Patent Services M/S AB/2B, 101 Columbia Road, P. O. Box 2245, Morristown, New Jersey 07962-2245 (US).

(74) Agent: **BEATUS, Carrie**; Honeywell International Inc., Law Department AB/2B, 101 Columbia Road, P.O. Box 2245, Morristown, New Jersey 07962-2245 (US).

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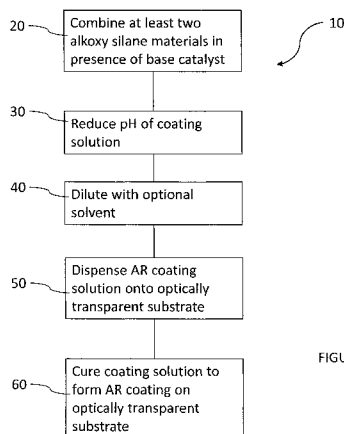


FIGURE 1

(57) Abstract: Anti-reflective coatings and coating solutions, optically transparent elements and improved processes for preparing AR coatings and coating solutions are described. The anti-reflective coatings are formed from at least two different alkoxy silane materials in a base catalyzed reaction.



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A. CLASSIFICATION OF SUBJECT MATTER**H01L 31/042(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)

H01L 31/042; G02B 1/11; B05D 3/02; B32B 27/32; B32B 17/06; C09K 3/00

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) & Keywords: anti-reflective coating, catalyst, tetraalkoxy silane residue

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0087665 A1 (MINETA SUZUKI et al.) 02 April 2009 See abstract, paragraphs [0006]-[0012], claims 1-9.	1-15
A	US 2002-0090519 A1 (MONIKA KURSAWE et al.) 11 July 2002 See abstract, paragraphs [0023]-[0034], claim 1.	1-15
A	EP 1659423 A1 (HITACHI, LTD.) 24 May 2006 See abstract, paragraphs [0110]-[0115].	1-15

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

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