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(54) Title: COATING FORMULATIONS FOR OPTICAL ELEMENTS

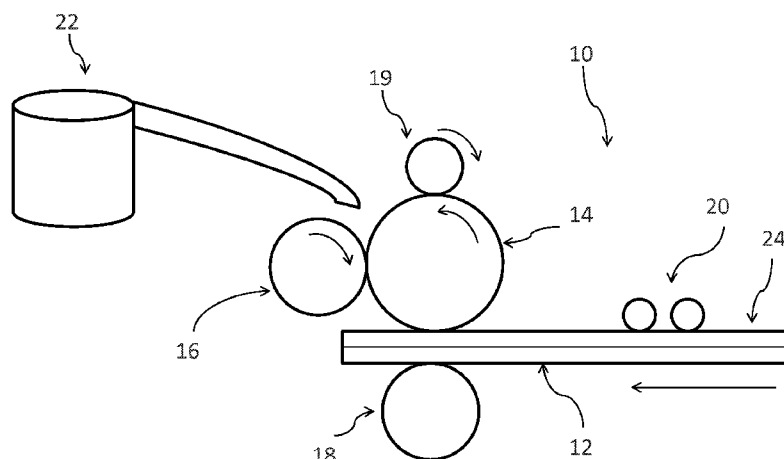


FIGURE 1

(57) Abstract: Anti-reflective coatings and coating formulations, optical elements and processes for preparing coating formulations and optical elements are described. The coating formulations are formed from at least one alkoxy silane material and at least one high boiling solvent. The coating formulation may be applied using roller coat processes.





UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, 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, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**A. CLASSIFICATION OF SUBJECT MATTER***C09D 1/00(2006.01)i, G02B 1/11(2006.01)i, B05D 1/00(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; C08G; H01L; B05D; B32B

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: anti-reflective coating, alkoxysilane, high boiling point solvent, optical transparent, polyol.

**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 2005-0267277 A1 (TAKAHAMA MASARU et al.) 01 December 2005 See abstract; paras. [0030],[0035]-[0037],[0040],[0050]-[0055]; claims 1,6,9.	1,9 2-8,10
A	JP 2009-084476 A (KOSHIN CHEMICAL KK) 23 April 2009 See claims 1,2,3,8; paras. [0030],[0033],[0034],[0051],[0052],[0059],[0060]	1-10
A	US 2010-0313950 A1 (MUKHOPADHYAY SUDIP et al.) 16 December 2010 See abstract; claims 1-26; paras. [0024],[0027].	1-10
A	US 2005-0031791 A1 (SASAKI YORO et al.) 10 February 2005 See abstract; claims 1,11; paras. [0240]-[0246].	1-10
A	US 2010-0252917 A1 (KARKKAINEN ARI) 07 October 2010 See abstract; claims 1,18,22,24,25,34-36,40,44.	1-10



Further documents are listed in the continuation of Box C.



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

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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**PCT/US2012/037734**

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