

②

EUROPEAN PATENT APPLICATION

②¹ Application number: **89300927.4**

⑤¹ Int. Cl.⁵: **C23C 18/12**

②² Date of filing: **31.01.89**

③⁰ Priority: **02.02.88 JP 22370/88**

④³ Date of publication of application:
09.08.89 Bulletin 89/32

⑥⁴ Designated Contracting States:
BE DE GB LU NL

⑧⁸ Date of deferred publication of the search report:
01.08.90 Bulletin 90/31

⑦¹ Applicant: **Hitachi Chemical Co., Ltd.**
1-1, Nishishinjuku 2-chome
Shinjuku-ku, Tokyo 160(JP)

⑦² Inventor: **Morishima, Hiroyuki Yamazaki**
Works of
Hitachi Chem. Co. Ltd. 13-1, Higashi-cho
4-chome
Hitachi-shi Ibaragi-ken(JP)
Inventor: **Uchimura, Shun-ichiro Yamazaki**
Works of
Hitachi Chem. Co. Ltd. 13-1, Higashi-cho
4-chome
Hitachi-shi Ibaragi-ken(JP)

⑦⁴ Representative: **Jenkins, Peter David et al**
PAGE, WHITE & FARRER 54 Doughty Street
London WC1N 2LS(GB)

⑤⁴ **A coating fluid for forming an oxide coating.**

⑤⁷ A coating fluid for forming an oxide coating, having a good thermal stability and superior coating-forming properties is provided, which fluid comprises a reaction product obtained by subjecting (A) an alkoxysilane or aryloxysilane expressed by the formula $R_mSi(OR)_{4-m}$ wherein R is 1-4C alkyl or aryl

and m is 0 to 2 and (B) a metal alkoxide or aryloxide compound expressed by the formula $M(OR')_n$ wherein M is Mg, B, P, Zr, Y, Ti or Ba, R' is 1-4C alkyl or aryl and n is a valence of the metal atom to hydrolysis and condensation using a catalyst in the presence of a solvent.



DOCUMENTS CONSIDERED TO BE RELEVANT															
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)												
X	EP-A-0 008 215 (WESTINGHOUSE ELECTRIC CORP.) * Claims 1-4,7-14; examples 1-4 * ---	1-3,6-10	C 23 C 18/12												
A	FR-A-2 123 652 (IBM) * Claims 1-8 * ---	1,3,8,10													
A	US-A-3 847 583 (H. DISLICH et al.) * Claim 1; examples * ---	1,3,8													
A	US-A-4 318 939 (C.P. WONG) * Claims 1,4 * -----	1,2													
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)												
			C 23 C C 08 K C 09 D C 03 C C 08 G												
The present search report has been drawn up for all claims															
Place of search THE HAGUE		Date of completion of the search 15-05-1990	Examiner DE ANNA P.L.												
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>T : theory or principle underlying the invention</td></tr><tr><td>X : particularly relevant if taken alone</td><td>E : earlier patent document, but published on, or after the filing date</td></tr><tr><td>Y : particularly relevant if combined with another document of the same category</td><td>D : document cited in the application</td></tr><tr><td>A : technological background</td><td>L : document cited for other reasons</td></tr><tr><td>O : non-written disclosure</td><td>.....</td></tr><tr><td>P : intermediate document</td><td>& : member of the same patent family, corresponding document</td></tr></table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention	X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date	Y : particularly relevant if combined with another document of the same category	D : document cited in the application	A : technological background	L : document cited for other reasons	O : non-written disclosure		P : intermediate document	& : member of the same patent family, corresponding document
CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention														
X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date														
Y : particularly relevant if combined with another document of the same category	D : document cited in the application														
A : technological background	L : document cited for other reasons														
O : non-written disclosure															
P : intermediate document	& : member of the same patent family, corresponding document														