



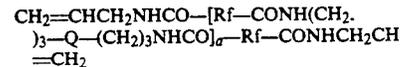
US005300613A

United States Patent [19][11] **Patent Number:** **5,300,613**

Kishita et al.

[45] **Date of Patent:** **Apr. 5, 1994**[54] **FLUORINE-CONTAINING
ORGANOSILICON COMPOUNDS**4,900,474 2/1990 Terae et al. 252/358
5,208,312 5/1993 Boutevin et al. 528/28[75] Inventors: **Hirofumi Kishita; Shinichi Sato;
Takashi Matsuda**, all of Annaka,
Japan**FOREIGN PATENT DOCUMENTS**

0328397 8/1989 European Pat. Off. .

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Maier & Neustadt[21] Appl. No.: **69,847**[22] Filed: **Jun. 1, 1993**[57] **ABSTRACT**[30] **Foreign Application Priority Data**Fluorine-containing organosilicon compounds having
the following general formula:Jun. 2, 1992 [JP] Japan 4-167025
Jun. 17, 1992 [JP] Japan 4-183167[51] Int. Cl.⁵ **C08G 77/24; C08G 77/26;
C07F 7/16**[52] U.S. Cl. **528/26; 528/28;
528/31; 528/42; 556/419; 556/445; 556/436**[58] Field of Search **556/419, 445, 436;
528/42, 28, 26, 31**[56] **References Cited****U.S. PATENT DOCUMENTS**3,271,362 9/1966 Chalk et al. 528/42
3,542,830 11/1970 Kim et al. 528/42
4,094,911 6/1978 Mitsch et al. 556/419
4,608,270 8/1986 Varaprath 427/35
4,742,177 5/1988 Yamamoto et al. 556/419

wherein a is an integer of 1 or above, Rf is a divalent perfluoropolyether group, and Rf is a divalent cyclosiloxane group containing an unsubstituted or substituted monovalent hydrocarbon group without an aliphatically unsaturated bond. The compounds are of use as a starting material in synthesizing rubbers or mold release agents which are high in such properties as solvent resistance, chemical resistance and the like.

3 Claims, 5 Drawing Sheets