

35177

N-FLUOROPYRIDINIUM SALT AND PROCESS FOR PREPARING SAME

Umemoto Teruo; Tomita Kyoich; Kawada Kosuke; Tomizawa Ginjiro Sagamihara, JAPAN assigned to Sagami Chemical Research Center; Chichibu Onoda Cement Corporation

A pyridine-compound is reacted with fluorine together with a Bronsted acid-compound or Lewis acid to form a N-fluoropyridinium salt which is very active to other compounds but is very selective for the preparation of a desired product and this product is very useful for a fluorine-introducing agent which makes it useful for the preparation of fluoro-compounds such as thyroid inhibitor.

5498281

RECORDING MATERIAL CONTAINING CARBONACEOUS POWDER WHOSE SURFACE IS MODIFIED WITH FLUORINE GAS

Idogawa Hiroyuki; Wakata Atsushi; Watanabe Nobuatsu; Chong Yong-Bo Kyoto, JAPAN assigned to Mitsubishi Pencil Kabushiki Kaisha

The present invention provides a recording material containing a carbonaceous powder whose surfaces are modified with a fluorine gas. Even when the recording material of the present invention is stored for a long period of time, a carbonaceous powder such as a graphite powder or carbon black neither coheres nor precipitates. For example, even if the recording material of the present invention is used in a felt pen or a ball-point pen, the carbonaceous powder does not cohere in the container or the pen point, and therefore any clogging does not occur in the pen point and good writing is possible.

5498356

REFRIGERANT COMPOSITION CONTAINING CARBODIIMIDE

Kamakura Tamij; Tanaka Noriyoshi; Namiwa

Kimiyoshi; Tatsumi Yukio; Namiki Masato; Yokobori Hideo Tokyo, JAPAN assigned to Asahi Denka Kogyo K K

The present invention relates to a lubricated refrigerant for use in refrigerators employing hydrofluorocarbon coolants such as R 134a, R 32, R 125 and the like. The lubricated refrigerant contains fluorocarbon coolant, synthetic oil and a carbodiimide compound represented by the following general formula. R1-N double bondC double bondN-R2, wherein R1 and R2 represent hydrogen atoms or hydrocarbly groups or nitrogen and/or oxygen containing hydrocarbly groups, and R1 and R2 may be the same or different groups. The refrigerant composition according to the present invention preferably contains said hydrofluorocarbon coolant and said lubricant at a given blending ratio.

5498359

LUBRICANT

Shinomoto Sayaka; Kohno Kenji; Uetani Yuko; Isoe Noboru; Miyata Kazushi Kyoto, JAPAN assigned to Hitachi Maxell Ltd

PCT No. PCT/JP94/00279 Sec. 371 Date Oct. 24, 1994 Sec. 102(e) Date Oct. 24, 1994 PCT Filed Feb. 23, 1994 PCT Pub. No. WO94/19433 PCT Pub. Date Sep. 1, 1994. A lubricant compound which comprises carbon, hydrogen, fluorine and etheric oxygen atoms and which contains perfluoropolyether chain of the formula (A), a perfluoroalkyl chain of the formula (B) and a polyether chain of the formula (C) in combinations of (A) and (C), (B) and (C), or (A) and (C) and of (B) and (C), in a molecule wherein: A is $-(\text{CnF}_2\text{nO})_m-$, wherein n is an integer of 1 to 10 and m is an integer of at least 1; B is $-\text{CnF}_2\text{n}-$, wherein n is an integer of 1 to 15, and C is $-(\text{CnH}_2\text{nO})_m-$, wherein n is an integer of 1 to 6 and m is an integer of at least 1.

5498657

FLUORINE-CONTAINING POLYMER COMPOSITION

Sugiyama Norihide; Watakabe Atsushi; Yokotsuka Shunsuke; Hiroi Atsuo; Naritomi Masaki; Shiota Naoko; Aosaki Ko; Nakamura Masaru Tokyo,