

5510008**STABLE ANODES FOR ALUMINIUM
PRODUCTION CELLS**

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An anode for the electro-winning of aluminium by the electrolysis of alumina dissolved in a molten fluoride electrolyte comprises a porous combustion synthesis product of nickel, aluminium, iron, copper and optional doping elements in the amounts 60-90 wt % nickel, 3-10 wt % aluminium, 5-20 wt % iron, 0-15 wt % copper and 0-5 wt % of one or more of chromium, manganese, titanium, molybdenum, cobalt, zirconium, niobium, yttrium, cerium, oxygen, boron and nitrogen. The combustion synthesis product contains metallic and intermetallic phases. A composite oxide surface is produced in-situ by anodic polarization of the porous combustion synthesis product in a molten fluoride electrolyte containing dissolved alumina. The in-situ formed composite oxide surface comprises an iron-rich relatively dense outer portion, and an aluminate-rich relatively porous inner portion.

5510058**ELECTRO-SENSITIVE COMPOSITION**

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An electro-sensitive composition comprising a fluorine compound having a predetermined structure, and an electrically insulating medium capable of dissolving this fluorine compound when a voltage is applied thereto, is disclosed. This electro-sensitive composition has a straight chain or cyclic fluorocarbon, and fluorine compound particles possessing dissociable polarity, dispersed in an electrically insulating medium; by means of the application of a voltage to this electro-sensitive composition, the transparency and viscosity thereof can be easily adjusted.

5510181**LUBRICANT AND MAGNETIC
RECORDING MEDIUM USING THE SAME**

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Corporation

A fluorine-containing lubricant having a linear structure devoid of polar groups at the terminals of its molecule, and has at least two polar groups on the intermediate carbon chain of the molecule is disclosed. A magnetic recording medium employing the lubricant is also disclosed.

5510406**FLUOROPOLYMER COMPOSITION FOR
COATING AND ARTICLE COATED WITH
THE SAME**

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A fluoropolymer composition for coating, which comprises a polymer having a fluorine-containing cycloaliphatic structure and at least one coupling group in its molecule and a solvent for dissolving said polymer.

5510410**AUTODEPOSITION COATING
COMPOSITION**

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Kanagawa, JAPAN assigned to Henkel Corporation

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1993. The invention is an aqueous autodeposition
coating composition that produces a film that has a
better adherence and corrosion resistance than the films
formed by the prior-art coating compositions, but