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**ELECTROLYTE COMPOSITION FOR
SCREEN PRINTING AND MINIATURIZED
OXYGEN ELECTRODE AND
PRODUCTION PROCESS THEREOF**

Sugama Akio; Suzuki Hiroaki; Kojima Naomi
Kawasaki, JAPAN assigned to Fujitsu Limited

An electrolyte composition for screen printing, comprising: an organic solvent; an inorganic salt in the form of a fine powder able to pass through a screen printing mesh, the salt powder being dispersed in the organic solvent; and polyvinyl pyrrolidone dissolved in the organic solvent. A miniaturized oxygen electrode having an oxygen sensing site filled with the electrolyte composition. A process for producing a miniaturized oxygen electrode, including a step of patterning or selectively removing an oxygen gas-permeable membrane at a pad region by removing or peeling off an underlying cover film formed thereunder.

5478616

**HEAT-SEALABLE FILMS AND FILM
LAMINATES WITH AN ANTISTATIC
COATING**

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Dietersheim, GERMANY assigned to Hoechst
Aktiengesellschaft

A weldable and/or heat-sealable, single- or multilayer film having at least one weldable and/or heat-sealable layer, the weldable and/or heat-sealable film being provided on at least one side on one outer surface with an antistatic coating, wherein the antistatic coating has a thickness of from about 0.005 to about 0.08 μ and comprises at least about 60% by weight of a soluble, intrinsically electroconductive polymer which comprises structural units of the formula (*See Patent for Chemical Structure*) in which R1 is a C1- to C12- or a C6- to C30-alkoxy group, and which has a degree of polymerization of less than about 100, where the polymer or oligomer is in oxidized form and has an appropriate number of anions to compensate for the positive charge. These films are heat-sealable, in spite of their antistatic coating.

5478670

**NON-AQUEOUS ELECTROLYTE
ELECTROCHEMICAL CELL
COMPRISING HIGH NI AUSTENITIC
STAINLESS STEEL POSITIVE
ELECTRODE CASE**

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Ohshida Junko Sendai, JAPAN assigned to Seiko
Electronic Components Ltd

A non-aqueous electrolyte electrochemical cell comprises a negative electrode, a positive electrode, a non-aqueous electrolyte, a positive electrode case and a negative electrode case. The positive electrode case comprises a high-grade corrosion resistibility stainless steel having a pitting index between 30.5 and 45, the pitting index being calculated by the formula $Cr\% + 3 * Mo\% + 16 * N\%$. An enhanced pressure sealed electrochemical cell can be manufactured in which the production cost of the positive electrode case is reduced and the productivity of the electrochemical cell improved by suppression of anodic oxidation of the positive electrode case.

5480744

**BISMUTH BASED ELECTRODES FOR
ELECTROCHEMICAL CELLS**

Bai Lijun Vernon Hills, IL, UNITED STATES
assigned to Motorola Inc

An electrochemical, bismuth containing charge storage material and electrochemical cells having an electrode comprising the material. The charge storage material has the composition: $BixXyMz$ where Bi is bismuth, M and X are modifiers and x, y, and z represent the relative proportion of each component.

5480745

POROUS FILM AND USE OF THE SAME

Nishiyama Soji; Higuchi Hiroyuk; Matsushita Kiichiro;
Matsushima Ryoichi Osaka, JAPAN assigned to Nitto
Denko Corporation