

hydrocarbon soils. The compounds exhibit flash points of 25 degrees F or more above those of the unmodified terpenes.

**5510545**

**PROCESS FOR THE PREPARATION OF  
HYDROFLUOROCARBONS**

Jansen Rolf-Michael Kelkheim, GERMANY assigned to Hoechst Aktiengesellschaft

The invention relates to a process for the preparation of saturated hydrofluorocarbons by hydrogenating at least one (hydro)fluorocarbon of the formula (I) (\*See Patent for Tabular Presentation\*)  $PS$  in which  $R_f$  is  $CaF(2a-b)+1Hb$  where  $a$  is 1-4 and  $b$  is 0-4,  $n$  is 0-2  $c$  is 0-3  $d$  is 0-3  $e$  is 0-3  $c+d+e$  is 3- $n$ , catalytically with hydrogen at elevated temperature.

**5511538**

**SUPER ATOMIZING NONCHLORINATED  
FLUOROCARBON MEDICATION  
INHALER**

Haber Terry M; Foster Clark B; Smedley William Lake Forest, CA, UNITED STATES assigned to Habley Medical Technology Corporation

An atomizing inhaler includes a body having a hollow interior with an elastomeric barrier at the tip of the body. The elastomeric barrier has a slit formed through the barrier. A pressurized liquid inhalant is atomized as it is forced out through the slit into the ambient environment in mist or smaller sized drops. The body includes a spring-biased piston which moves within a cylinder. The cylinder and piston together define a variable volume container. The volume of the variable volume container varies according to the position of the piston within the cylinder. The liquid in the variable volume container is pressurized by the piston and flows through the slit in the barrier. The invention is broadly directed to an atomizer which uses an elastomeric barrier having a slit formed therein so that applying pressurized liquid to one side of the barrier causes the pressurized liquid to atomize as passes through the slit to mist or smaller sized drops.

**5512143**

**ELECTROLYSIS METHOD USING  
POLYMER ADDITIVE FOR MEMBRANE  
CELL OPERATION WHERE THE  
POLYMER ADDITIVE IS IONOMERIC  
AND ADDED TO THE CATHOLYTE**

Keating James Wilmington, DE, UNITED STATES assigned to E I Du Pont de Nemours and Company

The operation of electrolytic cells employing ion exchange membranes is improved by addition to the catholyte of a fluorinated ionomer resin resulting in a long-term reduction in the operating voltage of the electrolytic cell.

**5512356**

**MULTILAYERED TEXTILE WEB FOR  
FORMING FLEXIBLE CONTAINERS,  
TENTS, AWNINGS, AND PROTECTIVE  
SUITS COMPRISING A  
RUBBER/POLYVINYLIDENE FLUORIDE  
FILM/RUBBER LAYER**

Haager Volker Vienna, AUSTRIA assigned to Phoenix Aktiengesellschaft

In a multilayered textile web for forming flexible containers, tents, awnings, protective suits and the like, with a textile layer, a rubber layer located on one side of the textile layer, and with a plastics film located on the other side of the textile layer, said plastics film being located between two rubber layers and comprises polyvinylidene fluoride.

**5512537**

**2-BENZOYL PYRROLE AND BENZOYL  
IMIDAZOLE HERBICIDES**

Tsang Tsze El Cerrito, CA, UNITED STATES assigned to Zeneca Limited

Herbicide compounds have the formula (\*See Patent for Chemical Structure\*) in which  $R_1$  is hydrogen, methyl, ethyl, phenyl, 2-methylphenyl,