

5507919**APPARATUS FOR THE THERMAL AND CATALYTIC DEFLUORINATION OF ALKYLATE**

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An apparatus and method are provided for the defluorination of a liquid hydrocarbon mixture, containing organic fluorides, produced during the conversion of hydrocarbons using a fluorine-containing catalyst. In one embodiment, both a thermal means and a contacting material are used to effectuate a more complete defluorination. The liquid hydrocarbon mixture is extracted from a distillation column and heated sufficiently in the thermal means to decompose at least some of the organic fluorides. The effluent from the thermal means is separated into a vaporous and a liquid effluent. The liquid effluent is passed to the bottom of the distillation column where it undergoes further defluorination through contact with the contacting material.

5508330**BARRIER PROPERTY ENHANCEMENT OF FILMS AND MOLDED ARTICLES**

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An improvement in barrier properties of films and molded articles containing an organic polymer is achieved by incorporation therein of fluorochemicals, fluoropolymers or mixtures thereof, wherein said fluorochemicals or fluoropolymers contain greater than 40% fluorine by weight and exhibit less than 20% weight loss at 165 degrees C, as measured by thermogravimetric analysis at 20 degrees C per minute in air. The films and molded articles in accordance with the present invention exhibit improved vapor and chemical barrier properties.

5508355**VULCANIZABLE FLUORINE-CONTAINING ELASTOMER COMPOSITION**

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PCT No. PCT/JP93/00415 Sec. 371 Date Sep. 30, 1994 Sec. 102(e) Date Sep. 30, 1994 PCT Filed Apr. 1, 1993 PCT Pub. No. WO93/20143 PCT Pub. Date Oct. 14, 1993. Disclosed is a vulcanizable, fluorine-containing elastomer composition comprising (a) a vulcanizable, fluorine-containing elastomer, (b) a polyol vulcanizing agent comprising a polyol compound as a crosslinking agent, and (c) an aliphatic amine compound represented by the formula: $R\alpha NH\beta$ wherein R represents an alkyl group, α represents an integer of from 1 to 3, and β represents 3 minus α . The vulcanizable, fluorine-containing elastomer composition of the present invention is capable of providing a vulcanization product having not only excellent tensile properties, resistance to heat and oils, and sealability at high temperatures which are comparable to those of vulcanization products of conventional fluorine-containing elastomer compositions, but also having a remarkably improved compression set resistance which has not conventionally been achieved, and the elastomer composition per se is remarkably improved with respect to mold release properties, flowability, roll processability, and workability in vulcanization molding, particularly in vulcanization molding by injection.

5508380**FLUORINATED POLYMERS CONTAINING PERFLUOROPOLYOXYALKYLENE SEQUENCES AND HAVING THERMOPLASTIC ELASTOMERIC PROPERTIES**

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