

[54] **PROCESS FOR THE PREPARATION OF TRUE ACETYLENE HYDROCARBONS HAVING A PERFLUORINATED CHAIN**

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[56] **References Cited**

**U.S. PATENT DOCUMENTS**

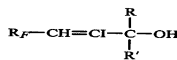
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[57] **ABSTRACT**

Process for the preparation of true acetylene hydrocarbons with a perfluoro chain, characterized by dehydroiodination with an alkali metal hydroxide in an alcoholic medium of the iodohydrin



wherein  $R_F$  is a straight or branched perfluoroalkyl chain  $C_nF_{2n+1}$ — where  $n$  is 1 to 20, and  $R$  and  $R'$  are identical or different alkyl radicals, followed by distillation, in the presence of solid alkali metal hydroxide, of the resulting acetylenic alcohol obtained to produce a true acetylene hydrocarbon of the formula  $R_F-C\equiv CH$ . The acetylene hydrocarbons are useful for forming compounds having the ability to carry gases such as oxygen for biological purposes.

4 Claims, 1 Drawing Figure

