

Abstract

The present invention relates to a process for purifying a hydrocarbon stream containing at least C_x alkanes, C_x olefins, low boilers such as C_{x-1} hydrocarbons and high boilers such as C_{x+1}

5 hydrocarbons, with $x = 3$ to 5 . The process according to the invention involves carrying out first a low boiler removal and then a separation into two partial streams which are each subjected to a chemical reaction. Once the products have been removed, the streams are combined again and subjected to a high boiler removal.

10 [No figure]