Abstract

The present invention relates to a process for purifying a hydrocarbon stream comprising at least Cx alkanes, Cx olefins, low boilers such as Cx-1 hydrocarbons and high boilers such as Cx+1 hydrocarbons, with x = 3 or 4. The process comprises separating off low boilers and separating off high boilers, wherein the separating-off of high boilers is performed in the presence of hydrogen and hence a hydrogenation of the olefins present takes place.

[No suitable figure]