

Abstract of the disclosure:

A process for the separation of dimethyl ether and chloromethane in mixtures

The present invention relates to a process for the separation of dimethyl ether and chloromethane in mixtures by two distillation steps. In the first step, the mixture is subjected to an extractive distillation with water, aqueous salt solutions or organic liquids as extractant, the top product being chloromethane. In the second step, the dimethyl ether is separated from the extractant.

Figure 1