PROCESS AND APPARATUS FOR THE COOLING OF A CO_2-RICH FLOW

Abstract

In a process for the recovery of cold from a methane-rich fluid (1) for the cooling of a flow rich in carbon dioxide (5), cold is provided to a first heat exchanger (E1) for the cooling of the flow by the evaporation of an intermediate fluid by exchange of heat with the methane-rich fluid in order to form at least one condensed intermediate fluid flow at at least one pressure level; at least a part of the intermediate fluid evaporated in a second heat exchanger (E2) is condensed at at least one pressure into at least one flow.

[Fig. 1]