

ABSTRACT

PROCESS FOR GAS PURIFICATION

The present invention provides for a process for purifying carbon monoxide-containing gas streams that contain impurities such as hydrocarbons by using a cryogenic adsorption process. Preferably this process is a temperature swing adsorption process at cryogenic temperatures below -75°C . Alternatively, the carbon monoxide-containing gas streams may be purified using the cryogenic adsorption process with membrane separation units or vacuum swing adsorption units or cryogenic distillation.

Figure 1



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