

ABSTRACT

Removal Of Hydrogen And Carbon Monoxide Impurities From Gas Streams

Hydrogen and carbon monoxide impurities are removed from a dry gas comprising the
5 impurities, wherein the dry gas is at least substantially free of carbon dioxide, by passing
the dry gas with sufficient residence time, e.g. at least 1.5 s, through a layer of catalyst
comprising a mixture of manganese oxide and copper oxide. The use of expensive
noble metal catalysts to remove hydrogen may thereby be avoided. In addition,
10 regeneration of the catalyst using oxygen-containing regeneration gas does not reduce
the effectiveness of the catalyst.

FIG. 1