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(54) Title: CATALYST FOR THE PREPARATION OF METHYL MERCAPTAN

(57) Abstract: The present invention refers to a catalyst for the manufacture of methyl mercaptan from carbon oxides comprising Mo and K compounds and oxides or sulfides of metals chosen from the manganese group. The improvement of the present process consists of the fact that carbon dioxide can be converted with higher conversions and selectivities to methyl mercaptan as compared to state-of-the-art technologies, with only minor amounts of carbon monoxide being formed as side product. Simultaneously, carbon monoxide can be easily converted into carbon dioxide and hydrogen by reaction with water using established water-gas-shift-technologies thus increasing the overall selectivity to methyl mercaptan.

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