

Abstract

A method for producing methanol, including a step (A) of obtaining a synthesis gas containing at least carbon dioxide and hydrogen, a step (B) of reacting the synthesis gas in the presence of a catalyst to obtain a methanol mixture, a step (C) of distilling the methanol mixture to separate methanol, distillation waste liquid, and distillation wastewater, respectively and a step (D) of performing an organic matter decomposition treatment on the distillation waste liquid and/or the distillation wastewater to obtain decomposed gas and treatment water.