

ABSTRACT**METHOD AND SYSTEM FOR SEPARATING T-BUTANOL FROM DIISOBUTYLENE**

- 5 Provided are a method and system for separating a t-butanol and diisobutylene azeotrope. The purpose of separating t-butanol from diisobutylene is achieved by allowing the selective adsorption of t-butanol with an adsorbing agent flowing together with t-butanol and diisobutylene in a suspended bed, and performing continuous separation of diisobutylene from the adsorbing agent and continuous regeneration of the adsorbing agent using devices such as separator and ejector. In the method, no extraction agent is introduced, no large-scale, high-pressure equipment is used, the operating conditions are mild, the energy consumption is low and the safety risk is low.
- 10