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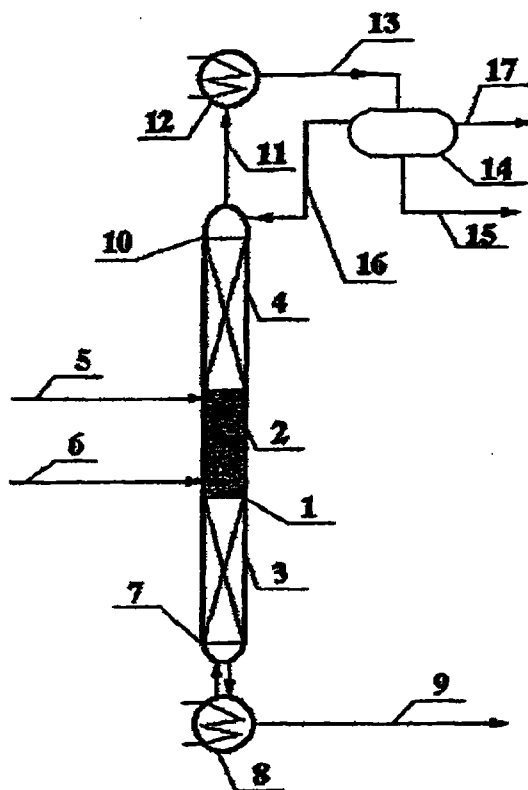
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(54) Title: A METHOD OF PRODUCING ETHYL ACETATE AND AN EQUIPMENT FOR CARRYING OUT THIS METHOD



(57) Abstract: The invention relates to a method of producing ethyl acetate by reaction of ethyl alcohol with acetic acid and/or acetic anhydride in presence of a solid acidic catalyst and during simultaneous distillatory separation of reaction components, in which acetic acid or acetic anhydride or their mixture and ethyl alcohol are introduced separately in molar ratio 2:1 to 1:2.5 and in a defined quantity, based on volume unit of catalyst, into the system separated into three zones, whereby, in the reaction zone, the reaction runs simultaneously with the distillatory separation of components, acetic acid feed is introduced into the reaction zone or above the zone and ethyl alcohol feed is introduced into the reaction zone or below this zone, in the upper separation zone, the volatile mixture is separated, thereafter, it is cooled to 5 to 70 °C and then separated to water and organic phases and this organic phase with high ethyl acetate content is drawn off and partially returned as reflux flow into this system, whereby, the ratio of the input components feed and the organic phase reflux flow is 1:1 to 1:20. A subject matter of this invention is also an equipment for carrying out this method.

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