

Device and process for producing hydrogen peroxide by an anthraquinone process**Abstract:**

In a cyclic anthraquinone process for producing hydrogen peroxide, which comprises a distillation unit with vapor compression for concentrating hydrogen peroxide, aqueous condensate from the
5 distillation unit is passed over a bed of a cation exchange resin in its protonated form to provide a purified condensate, and the purified condensate is used as extractant for extracting hydrogen peroxide in the anthraquinone process, as column reflux for the distillation unit or as a diluent for diluting an aqueous hydrogen peroxide solution.

10 [No suitable figure]