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(54) Title: PROCESS OF PREPARATION OF GLYOXYLIC ACID AQUEOUS SOLUTION

(57) Abstract: The invention relates to a method for preparing an aqueous solution of glyoxylic acid by oxidation of an aqueous solution of glyoxal with oxygen or a gas containing oxygen, in the presence of a catalytic quantity of nitric acid and/or at least one nitrogen oxide, a strong acid not oxidizing glyoxal, and by maintaining conditions satisfying the equation $K_{La}/Q > 10$, where K_{La} is the total volumetric mass transfer coefficient and Q is the heat load liberated by the reaction per mole of glyoxal.

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