

[54] **DEVICE AND METHOD FOR PREPARATION OF A CONTROL SOLUTION FOR KETONE DETERMINATION.**

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Related U.S. Application Data

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[52] U.S. Cl. **436/14; 422/56; 436/128; 562/508; 562/577**

[58] Field of Search **436/128, 14, 130, 166; 422/55-58; 562/508, 577**

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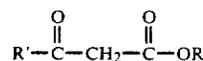
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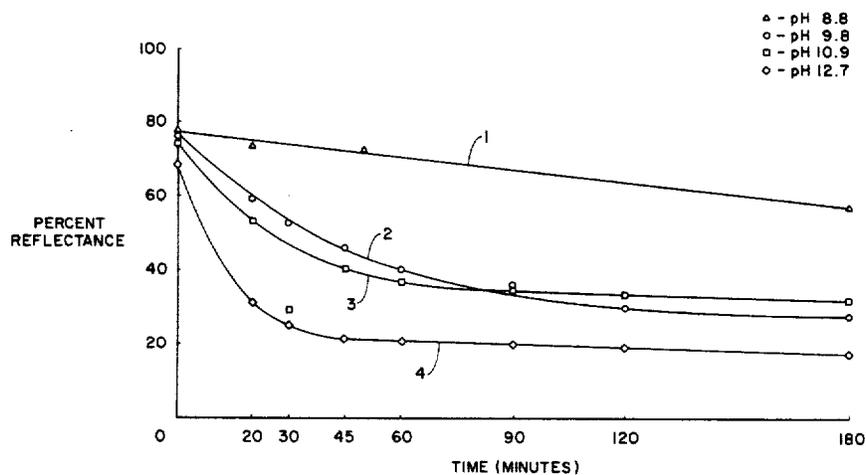
[57] **ABSTRACT**

A device for preparing a control solution for ketone analysis is disclosed, as well as a method for preparing it. The device comprises a carrier vehicle incorporated with an ester of a β -ketoalkanoic acid, and a hydrolyzing substance capable of converting the ester to the corresponding β -ketoalkanoic acid. The ester has the structure



in which R is a lower alkyl group and R' is an aliphatic or cyclic group having 1 to about 7 carbon atoms. The method comprises contacting a predetermined volume of solvent with the device.

17 Claims, 1 Drawing Figure



HYDROLYSIS OF METHYLACETOACETATE