

Title (en)
USE OF A SALT OF 6-CARBOXY-3-METHYLBENZOTHAZOLONE HYDRAZONE HYDRATE IN COLORIMETRIC DETERMINATION OF HYDROGEN PEROXIDE

Title (de)
VERWENDUNG EINES SALZES DES 6-CARBOXY-3-METHYLBENZOTHAZOLONHYDRAZON IN DES KOLORIMETRISCHEN BESTIMMUNG VON WASSERSTOFFPEROXID

Title (fr)
UTILISATION D'UN SEL D'HYDRATE D'HYDRAZONE DE 6-CARBOXY-3-METHYLBENZOTHAZOLONE EN DEPISTAGE COLORIMETRIQUE DE PEROXYDE D'HYDROGENE

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Application
EP 96920509 A 19960524

Priority
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Abstract (en)
[origin: WO9637629A1] Water-soluble salts of hydrazone compounds react quickly with aniline compounds in the presence of a peroxidase and hydrogen peroxide to provide a color which can be measured spectrophotometrically or visually, either in solution or when incorporated in a device for the measurement of analytes of interest. These water-soluble hydrazone salts are useful in determining hydrogen peroxide or an analyte which reacts to produce hydrogen peroxide in an aqueous liquid, by, in the presence of a substance having peroxidative activity, physically contacting a sample of a liquid with a dye-forming composition comprising a water-soluble salt of a hydrazone compound and a substituted or unsubstituted aniline compound to produce a colored dye; and detecting the dye formed as a result of the presence of hydrogen peroxide or an analyte which reacts to produce hydrogen peroxide.

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C12Q 1/28; **C07D 277/82**; **C09B 27/00**; **C09B 23/16**

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 9637629A1

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