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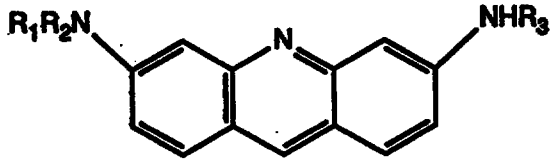
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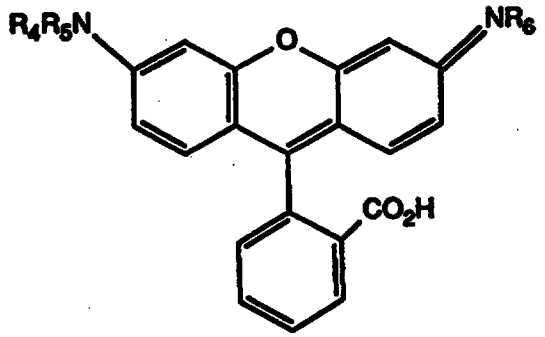
(54) Title: OPTICAL SENSOR FOR THE DETERMINATION OF IONS

(57) Abstract

A composition comprising (a) a transparent support, (b) which is coated on at least one side with a transparent coating which comprises (b1) a plasticizer-free, hydrophobic polymer having a glass transition temperature Tg of from -150 to 50 °C, (b2) counterions in the form of lipophilic salts, (b3) an ionophore which forms a complex with the ion to be determined, and (b4) a compound of formula (I) or (II) as fluorophore in which R_1 and R_3, and R_4 and R_6 are C_1-C_{30}alkyl or C_1-C_{30}alkyl-CO-, and R_2 and R_5 are H or C_1-C_{30}alkyl, with the proviso that the total number of carbon atoms in the alkyl groups is at least 5, or a salt thereof with an inorganic or organic acid. The composition is highly suitable for the qualitative or quantitative optical determination of ions by means of fluorescence detection.



(I)



(II)

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