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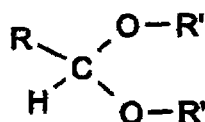
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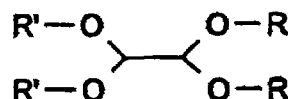
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ning of each regular issue of the PCT Gazette.

(54) Title: BIODEGRADABLE SOLUTIONS OF BIOLOGICALLY ACTIVE COMPOUNDS



(I)



(a)

(57) Abstract: The disclosure pertains to bio-active preparations, as solutions, emulsions, suspensions suspoemulsions, emulsifiable concentrates, and dispersible granules where the biologically active compound is dissolved in a solvent of the general formula $\text{RCH}(\text{OR}')_2$, ketals of formula $\text{R}_2\text{C}(\text{OR}')_2$, or orthoesters of formula $\text{RC}(\text{OR}')_3$, wherein the substituents are defined herein. Acetal from monoaldehyde and alcohol have general formula (I). Acetals used herein also include structures such as formula (a). And more complex acetal compounds as disclosed herein. The biologically active compounds in such preparations are active organic compounds, in particular, herbicides and safeners, insecticides, fungicides, acaricides, nematocides, pheromones and repellents. Embodiments included are oil-in-water (O/W) emulsions, emulsifiable concentrates (EC), water dispersible granules (WG) and suspoemulsion (SE). The bio-active/acetal formulations provide enviro-safe treatments as formulated herbicides, safeners, insecticides, fungicides, acaricides, nematocides, pheromones and repellents and exhibit low flammability and biodegradability.

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