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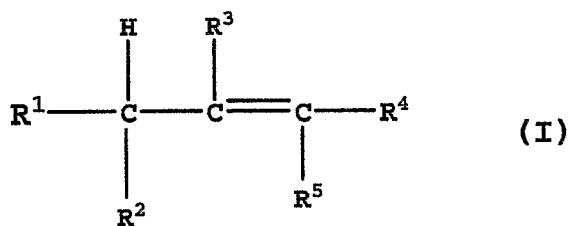
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(54) Title: PROCESS FOR PRODUCING ALKYL BENZENE HYDROPEROXIDE



(57) Abstract: ABSTRACT A process for producing an alkylbenzene hydroperoxide from an alkylbenzene solution containing 0.01 to 10 mmol/kg of phenols by subjecting the solution to oxidation with an oxygen-containing gas, including allowing a compound represented by formula (I) to be present in the alkylbenzene solution: wherein R1, R2, R3, R4 and R5 independently represent a hydrogen atom, an alkyl group or an aryl group and may combine with each other to form a non-aromatic ring, the molar ratio of the compound represented by formula (I)

to the phenols in the alkylbenzene solution being 0.4 mol/mol or higher; is advantageous in providing economical and high-yield production of an alkylbenzene hydroperoxide.



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