

Title (en)  
PROCESS FOR THE PREPARATION OF A CARBOXYLIC ANHYDRIDE

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES CARBONSÄUREANHYDRIDS

Title (fr)  
PROCEDE POUR PREPARER UN ANHYDRIDE CARBOXYLIQUE

Publication  
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Application  
**EP 98905384 A 19980129**

Priority  
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Abstract (en)  
[origin: WO9833787A1] The present invention provides a colorless and transparent carboxylic anhydride with excellent stability in a liquid state at room temperature which is useful in uses such as a curing agent for epoxy resins, a liquid state encapsulant for semiconductors, and a liquid state encapsulant for light emission diodes. Said carboxylic anhydride which is a liquid at 20 DEG C containing a carboxylic anhydride not having carbon-carbon double bond such as 3-isobutyl-5,6-dimethylcyclohexane-1,2-dicarboxylic anhydride, 3-( beta -methylbutyl)-5-methylcyclohexane-1,2-dicarboxylic anhydride, and 4-isohexylcyclohexane-1,2-dicarboxylic anhydride is prepared by forming an acid anhydride compound having a cyclohexane ring by a Diels-Alder reaction of a diene-hydrocarbon or triene-hydrocarbon having a carbon number of 10 with maleic anhydride, followed by carrying out a stereo-isomerization in the presence of a catalyst, and further carrying out hydrogenation of said reaction product.

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