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CYCLIC OLEFIN POLYMER CONTAINING LITTLE CATALYST RESIDUE,
APPLICATIONS AND PRODUCTION PROCESS THEREOF

Abstract

A cyclic olefin polymer having a small content of a catalyst residue, a production process for the same and use
5 of the same as an optical material. Catalysts used for polymerization and/or hydrogenation reaction for forming the cyclic olefin polymer are decomposed efficiently by adding at least one compound selected from the group consisting of an α -oxyacid and β -oxyacid having one hydroxyl group and one
10 carboxyl group in the molecule and derivatives obtained by substituting hydroxyl group thereof by an alkoxy group, and the decomposition products are removed by rendering them insoluble in a reaction solvent used for the polymerization and/or hydrogenation reaction and precipitating them
15 efficiently.