

Title (en)
PROCESS FOR RECOVERING AND RECYCLING AN ACID CATALYST

Title (de)
VERFAHREN FÜR RÜCKGEWINNUNG UND RECYCLING EINES SÄUREKATALYSATORS

Title (fr)
PROCESSUS DE RÉCUPÉRATION ET DE RECYCLAGE D'UN CATALYSEUR ACIDE

Publication
EP 2831040 A1 20150204 (EN)

Application
EP 13715533 A 20130322

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Abstract (en)
[origin: WO2013148497A1] Disclosed is a process for the extractive recovery of an acid catalyst from an aqueous mixture of glycolic acid with an extraction solvent comprising a tertiary amine or an onium carboxylate compound, a modifier, and a diluent. The acid catalyst, which can comprise strong acids such as sulfuric acid, alkyl sulfonic acids, and fluoroalkyl sulfonic acids, can be recovered by back extraction with aqueous formaldehyde and recycled to a process for the preparation of glycolic acid by the acid-catalyzed carbonylation of formaldehyde. Also disclosed is a process for the preparation of glycolic acid by the acid-catalyzed hydrocarboxylation of formaldehyde.

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