Title (en)

REJUVENATION OF A DEACTIVATED CATALYST.

Title (de)

REAKTIVIERUNG EINES ENTAKTIVIERTEN KATALYSATORS.

Title (fr)

REACTIVATION D'UN CATALYSEUR DESACTIVE.

Publication

EP 0204750 A4 19871202 (EN)

Application

EP 85905984 A 19851107

Priority

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- US 66948784 A 19841108

Abstract (en)

[origin: WO8602861A1] In one embodiment, a sulfur-contaminated catalyst is rejuvenated by the cyclic process of (1) exposing the catalyst to oxidizing conditions in the presence of oxygen at a temperature of from 200?oC to 450?oC; (2) contacting the oxidized catalyst with at least 10 cc of an aqueous media in the liquid phase per cc of catalyst; wherein the aqueous media is selected from the group consisting of water, an aqueous solution, and a saturated water vapor; and (3) exposing said wet catalyst to reducing conditions in the presence of hydrogen at a temperature of from 200?oC to 700?oC. In another embodiment, the catalyst is contacted with an aqueous solution of a salt of a metal selected from the group consisting of an alkali metal and an alkaline earth metal. In still another embodiment, the catalyst is washed with either a neutral solution or an acidic solution, contacted with an aqueous solution of a salt of a metal selected from the group consisting of an alkali metal and an alkaline earth metal, washed with a neutral solution, and dried.

IPC 1-7

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IPC 8 full level

B01J 29/90 (2006.01)

CPC (source: EP KR)

B01J 21/20 (2013.01 - KR); **B01J 29/90** (2013.01 - EP)

Citation (search report)

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- See references of WO 8602861A1

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

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