

Title (en)
REJUVENATION OF A DEACTIVATED CATALYST.

Title (de)
REAKTIVIERUNG EINES ENTAKTIVIERTEN KATALYSATORS.

Title (fr)
REACTIVATION D'UN CATALYSEUR DESACTIVE.

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Application
EP 85905984 A 19851107

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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°C to 450°C; (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°C to 700°C. 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.

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B01J 29/90 (2006.01)

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

Citation (search report)
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• [A] US 3625865 A 19711207 - KITTRELL JAMES R, et al
• [A] US 4139433 A 19790213 - WARD JOHN W
• [A] US 4107031 A 19780815 - WARD JOHN W
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• See references of WO 8602861A1

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FR

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