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(54) Title: RECLAMATION OF A TITANOSILICATE, AND RECONSTITUTION OF AN ACTIVE OXIDATION CATALYST

(57) Abstract: A method of reclaiming a titanosilicate from a deactivated or spent oxidation catalyst containing a titanosilicate having deposited thereon one or more catalytic metals, such as gold, and optionally, one or more promoter metals, the method involving treating the deactivated catalyst with an oxidant; contacting the oxidant-treated catalyst with acid, preferably aqua regia; washing the titanosilicate to remove residual acid; and optionally drying and/or calcining. A method of reconstituting an active oxidation catalyst from a spent or deactivated oxidation catalyst, the method involving reclaiming the titanosilicate as noted above, and then depositing one or more catalytic metals and, optionally, one or more promoter metals onto the reclaimed titanosilicate.



WO 2006/078367 A1