Title (en)

METHOD FOR REGENERATING SUPPORTED CATALYSTS COVERED WITH GOLD PARTICLES AND USED FOR OXIDISING UNSATURATED HYDROCARBONS

Title (de)

VERFAHREN ZUR REGENERIERUNG VON MIT GOLDTEILCHEN BELEGTEN TRÄGERKATALYSATOREN FÜR DIE OXIDATION UNGESÄTTIGTER KOHLENWASSERSTOFFE

Title (fr)

PROCEDE POUR REGENERER DES CATALYSEURS A SUPPORTS, RECOUVERTS DE PARTICULES D'OR ET SERVANT A L'OXYDATION D'HYDROCARBURES INSATURES

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Application

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Abstract (en)

[origin: DE19804711A1] The invention relates to a method for regenerating supported catalysts covered with gold particles, based on titanium dioxide or titanium dioxide hydrate and used for oxidising unsaturated hydrocarbons in a gas phase. The invention is characterised in that the catalyst is regenerated by contacting it with water, a diluted acid or a diluted hydroperoxide solution, to restore its catalytic activity. The invention also relates to the use of regenerated catalysts for oxidising ethene, propene, 1-butene or 2-butene in the gas phase.

IPC 1-7

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IPC 8 full level

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