OFFSITE REGENERATION PROCESS FOR A CATALYST CONTAINING AT LEAST ONE PRECIOUS METAL

ABSTRACT

A process for the regeneration of a used hydrocarbon treatment catalyst, containing at least one precious metal, optionally at least one additional metal, and copper, optionally at least one halogen, and at least one porous support, said process comprising at least one of the following steps:

- a step (1) for the combustion of the coke present on said catalyst, carried out in the presence of an oxygen-containing gas, at a temperature in the range 300°C to 680°C for a time in the range 0.3 to 7 hour,
- a step (2) for oxyhalogenation, carried out in a controlled air atmosphere, at a temperature in the range 350°C to 550°C, for a time in the range 0.3 to 3 hours in the presence of a halogenated compound,

characterised in that said process is carried out offsite, and in that a moving bed furnace is used for combustion step (1) and for oxyhalogenation step (2).