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(54) Title: PROCESS FOR PREPARING A LARGE PORE HYDROPROCESSING CATALYST

(57) Abstract

The present invention relates to a process for preparing a hydroprocessing catalyst comprising the steps of subjecting a spent hydroprocessing catalyst comprising carbonaceous and sulphurous deposits to a thermal treatment to remove at least part of said deposits, grinding the thus obtained spent catalyst, mixing the ground hydroprocessing catalyst with at least one additive, and shaping the mixture of additive and ground hydroprocessing catalyst to form particles of a new hydroprocessing catalyst, with the spent hydroprocessing catalyst being subjected to a high-temperature calcination step carried out at a temperature in the range of 550-1000 °C for a period sufficient to increase the MPD of the spent catalyst by at least 0.5 nm. The process according to the invention is particularly suitable for preparing ebullated bed catalysts from spent hydroprocessing catalysts.