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(54) Title: STABLE DISPERSIONS OF METAL PASSIVATION AGENTS AND METHODS FOR MAKING THEM

(57) Abstract

A process for passivating contaminating metal on a hydrocarbon cracking catalyst is provided. The catalyst is contacted within a hydrocarbon catalytic cracking unit with a stabilized dispersion. The dispersion comprises a fluid vehicle, a dispersion agent, and finely milled particles of one or more metals or metal compounds for passivation of metal-contaminated cracking catalysts. The dispersion is preferably produced by a process wherein an agitated media mill is loaded with comminuting media, fluid vehicle, dispersion agent and particles of a metal or metal compound for passivation of metal-contaminated cracking catalysts. The comminuting media, fluid vehicle, and particles are then agitated until the particles are reduced in size by at least 10 % and have a volumetric average particle size of less than 0.5 microns.