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(54) Title: A HYDROPROCESSING CATALYST AND PROCESS FOR TREATING HEAVY HYDROCARBON FEEDSTOCKS

(57) Abstract: A catalyst for treating heavy hydrocarbon feedstocks. The catalyst comprises a calcined particle comprising a co-mulled mixture made by co-mulling inorganic oxide powder, molybdenum trioxide powder, and a nickel compound or cobalt compound, or both compounds, and then forming the co-mulled mixture into a particle that is calcined to provide the calcined particle. The calcination is conducted at a temperature such that at least 20% of the pore volume of the calcined particle is in pores of greater than 5,000 and less than 70% of the pore volume of the calcined particle is in the pores having a pore size in the range of from 70 to 250.

