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(54) Title: SULFUR RESISTANT HYDROCONVERSION CATALYST AND HYDROPROCESSING OF SULFUR-CONTAINING LUBE FEEDSTOCK

(57) **Abstract**

The present invention relates to a novel platinum palladium alloy catalyst useful in hydrofinishing and hydrocracking non low sulfur content feedstock and the process of hydrofinishing and hydrocracking such non low sulfur content feedstock feeds. The catalyst maintains the activity of a palladium catalyst with the sulfur tolerance of a platinum catalyst without the need for the higher reaction temperatures normally associated with platinum based catalysts and thus avoid the higher rates of undesirable cracking reactions in the fabrication of a lubricating base oil stock.