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(54) Title: PROCESS FOR PRODUCING KETONES FROM FATTYACIDS

(57) Abstract: The invention relates to a process for producing ketones or hydrocarbon base oil from fatty acids preferably derived from a biological origin or other renewable source. The process is directed at making an aliphatic ketone or a mixture of aliphatic ketones having 14 to 52 carbon atoms, comprising a ketonization reaction of a fatty acid in a vapor phase with a decarboxylation-coupling catalyst to provide ketones, which can be deoxygenated to give saturated hydrocarbons, unsaturated hydrocarbons, and mixtures thereof. Base oils and transportation fuels may be produced from the process herein.

