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(54) Title: HYDROGENATION PROCESS USING EGGSHELL CATALYSTS FOR THE REMOVAL OF OLEFINS

(57) Abstract: The present invention relates to hydrogenation processes including: contacting a first composition with hydrogen under hydrogenation conditions, in the presence of an eggshell hydrogenation catalyst, wherein the first composition has: (i) greater than about 25 wt % of cyclohexenylbenzene, the wt% based upon the total weight of the first composition; and (ii) greater than about 0.05 wt% of cyclohexenylbenzene, the wt% based upon the total weight of the first composition; and thereby obtaining a second composition having less cyclohexenylbenzene than the first composition. Other hydrogenation processes are also described.

