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(54) Title: HYDROGENATION OF CLEAVAGE EFFLUENTS IN PHENOL PRODUCTION

(57) Abstract: A method for producing phenol is disclosed which includes oxidizing cumene to form cumene hydroperoxide and acid cleavage to form cumene, phenol, acetone, and various byproducts, including alpha methylstyrene, followed by a subsequent hydrogenation of at least a part of the acetone and substantially all of the alpha methylstyrene.