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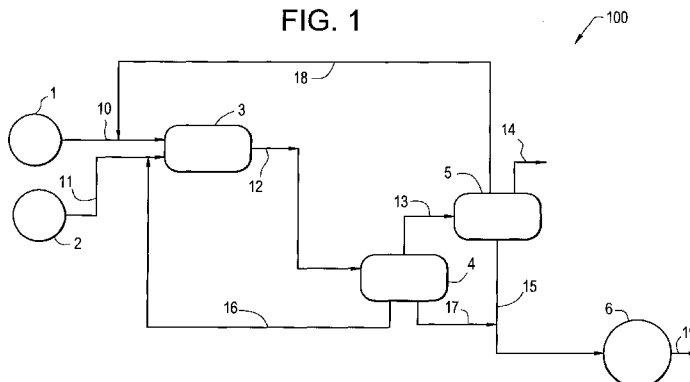
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(54) Title: IMPROVED HYDROGENATION PROCESS

FIG. 1



(57) Abstract: The present invention provides an improved hydrogenation processes wherein heat is efficiently managed so that catalyst productivity is optimized. More particularly, in the processes of the present invention, a nonaqueous solvent is added to a reactant to provide a nonaqueous solvent/reactant mixture that can act as a heat sink and absorb at least a portion of the heat generated within the reactor. Desirably, a reaction product, or a solvent with a minimal number of hydroxyl groups, is utilized so that the formation of unwanted byproducts can be minimized.