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(71) Applicant: ARCO CHEMICAL TECHNOLOGY, L.P. [US/US]; Two Greenville Crossing, 4001 Kennett Pike, Suite 238, Greenville, DE 19807 (US).

(72) Inventor: BALAN, Prakash, G.; 1 Collins Drive, Wilmington, DE 19803 (US).

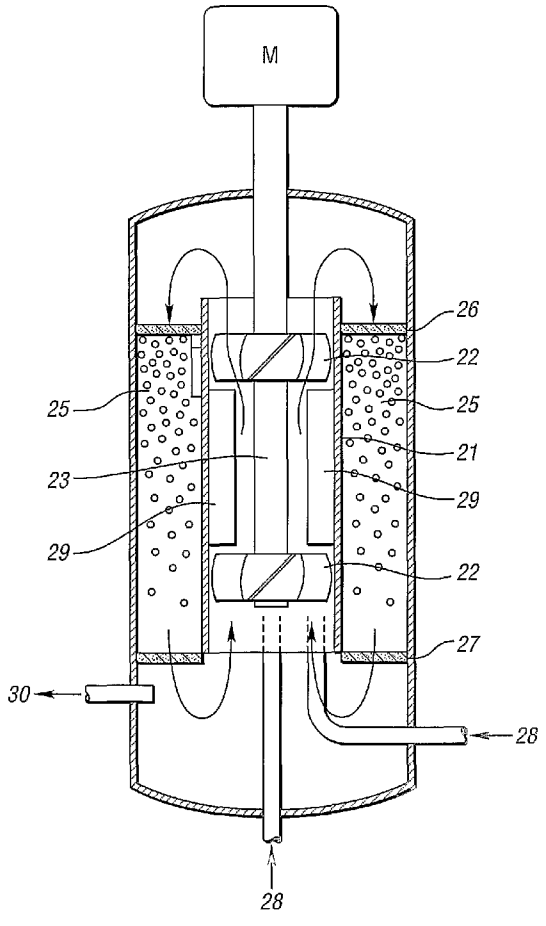
(74) Agents: CARROLL, Kevin, M. et al.; Lyondell Chemical Company, 3801 West Chester Pike, Newtown Square, PA 19073 (US).

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(54) Title: REACTOR WITH A FILTER FOR FIXED-BED CATALYSTS



(57) Abstract: A reactor configuration especially suitable for interphase mass transfer and mixing of multiple phases, i.e. gas(es), liquid(s), and solid(s) where reaction is catalyzed by a solid catalyst comprises a draft tube reactor wherein the solid catalyst particles are maintained in an annular space (25) between the draft tube (21) of the reactor and an annulus-defining wall by means of filter elements (26, 27) positioned downstream and optionally also upstream from the catalyst bed.

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