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(71) Applicant: **EXXONMOBIL RESEARCH AND ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

(72) Inventors: **RAMOS, Antonio, O.**; 14406 Carolina Hollow Lane, Houston, TX 77044 (US). **KORSTEN, Hans, G.**; 8190 Strawberry Lane, Apt. 320, Falls Church, VA 22042 (US). **HUANG, Yi, En**; 13925 Saddleview Drive, North Potomac, MD 20878 (US). **NADARAJAH, Chithranjan**; 1630 Lasalle Avenue, McLean, VA 22102 (US). **UMANSKY, Benjamin, S.**; 12766 Alder Woods Drive, Fairfax, VA 22033 (US).

(74) Agents: **SHANLEY, Matthew T.** et al.; ExxonMobil Research and Engineering Company, 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

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(54) Title: PROCESS FOR REACTOR CATALYST LOADING

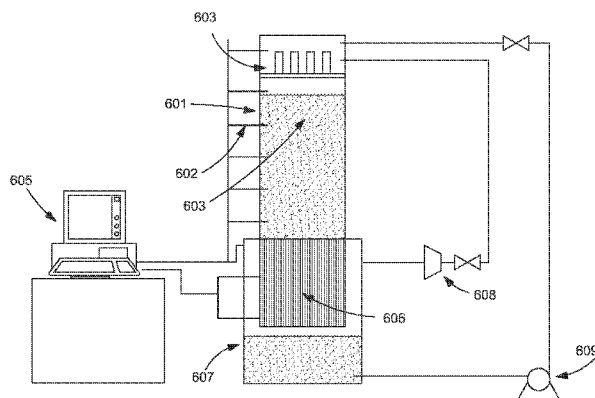


FIG. 6

(57) Abstract: Methods, devices and processes for effectively loading catalysts into reactor vessels. In particular methods, devices and processes for effectively loading catalysts into fixed bed reactors utilizing inducted vibrational energy to improve catalyst loading performance, thereby resulting in improved flow distribution through the catalyst beds at designed operating conditions. The methods herein are particularly effectively for improving the performance of new or existing catalyst bed configurations of vertically-oriented two-phase hydroprocessing fixed bed reactors.

