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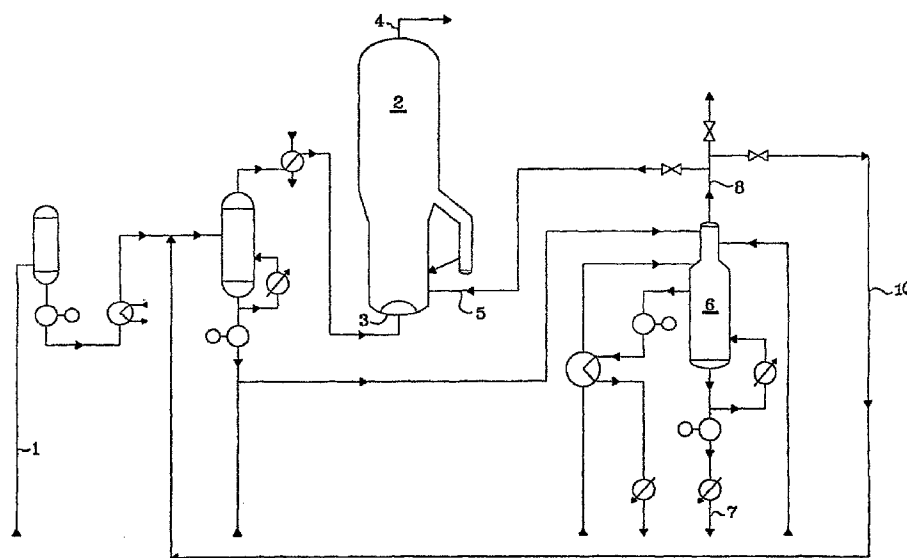
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(54) Title: PURGE GAS STREAMS TO STAGNANT ZONES WITHIN OXYGENATE-TO-OLEFIN REACTOR



(57) Abstract: The present invention comprises a process for conversion of oxygenates to olefins comprising contacting within a reactor (2) the oxygenates with a catalyst to produce light olefins and wherein the reactor comprises at least two zones, a first zone wherein gas circulates at a faster rate than a second zone wherein a gas circulates at a slower rate; and inserting a quantity of inert gas into the second zone to increase circulation of any materials located in said second zone. The invention prevents accumulation of undesirable by-products within stagnant zones within the reactor and reduces the amount of coke deposited on catalyst or on surfaces within these zones.

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