

ABSTRACT

PROCESS AND APPARATUS FOR INTRODUCING A SOLID INTO A REACTOR

The present invention relates to a process and an apparatus for introducing a solid into a reactor with the help of a feed enclosure connected to the reactor through an injection pipe. The process comprises (a) introducing the solid into the feed enclosure wherein most of the solid settles at rest and then (b) introducing a gas into the feed enclosure so that the solid is suspended by the gas to form a solid suspension entrained in a dilute-phase conveying system by the gas into the reactor through the injection pipe. The invention is particularly useful for introducing a solid catalyst into a gas-phase polymerisation reactor (Figure 1).

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