

Abstract

Process for feeding a catalyst in a polymerization reactor

A process for introducing a catalyst powder into a polymerization reactor comprising: a) metering the catalyst powder by means of a rotary valve comprising a stator, a rotor and sealing means arranged between said stator and said rotor; b) transferring a metered amount of catalyst powder from said rotary valve to a polymerization reactor; the process further comprising the steps of: c) feeding a flushing compound in one or more internal conduits arranged in the rotor of said rotary valve; d) flushing the catalyst powder away from said sealing means.

Fig. 1