

ABSTRACT OF THE DISCLOSURE

SPOUTED BED DEVICE, POLYOLEFIN PRODUCTION SYSTEM WITH SPOUTED BED DEVICE, AND POLYOLEFIN PRODUCTION PROCESS

A spouted bed device according to the present invention includes a vertically extending cylinder; a decreasing diameter member which is formed on the cylinder, has an inside diameter that decreases progressively downward, and has a gas inlet orifice at a bottom end thereof; and a tubular portion which extends downward from an edge of the gas inlet orifice. A spouted bed is formed in a treatment zone enclosed by a top surface of the decreasing diameter member and an inner wall of the cylinder above the decreasing diameter member.

Figure 1