

Abstract

The disclosure relates to the technical field of engineering machinery, and provides a pressurization structure for a drilling rig and a drilling rig. The drilling rig includes a mast, a power head slidably connected to the mast, and a pressurization structure for driving the power head; the pressurization structure including: a first pulley, a second pulley, a main winch, an auxiliary winch, a main-winch steel rope and an auxiliary-winch steel rope; wherein the first pulley is disposed at the top of the mast, the main winch includes a main-winch drum positioned at a side of the mast, the main-winch steel rope is connected to the power head after passing around the first pulley in a direction away from the main-winch drum; the second pulley is mounted on the mast and below the power head, the auxiliary winch includes an auxiliary-winch drum disposed at a side of the mast, the auxiliary-winch steel rope is connected to the power head after passing around the second pulley in a direction away from the auxiliary-winch drum. In the disclosure, the pressurization structure provided on the drilling rig is simple in structure and low in cost, and abrasion of the steel rope can be avoided and multi construction method can be realized.

Fig. 1