AUTOMATIC HEIGHT ADJUSTABLE APPARATUS

Abstract

The present invention provides a height adjustable apparatus for employing in a sand discharging system for conveying sand between a sand conveying ship and a designation. The height adjustable apparatus comprises an elevating base secured onto a platform with a main frame projecting on the platform; a windlass disposed within the elevating base for providing driving forces; a convey pipe pair disposed along the length of the main frame, wherein the convey pipe pair includes a sand conveying pipe and a water conveying pipe, the convey pipe pair has one end connected to pipelines extending to the sand conveying ship and the other end connected to pipelines extending to the designation; an elevating sub-module driven by the windlass, the elevating sub-module operationally elevates the convey pipe pair up and down when conveying sand; and a controller for controlling the elevating sub-module.

FIG. 1 for illustration