

ABSTRACT OF THE DISCLOSURE

The self-contained device for cleaning and coating hold surfaces in a bulk carrier includes four major components, namely a horizontally mobile vertical tower (e.g., with walking beams for permitting the device to
5 move into the four corners of the hold into which it has been lowered), a vertical trolley for permitting the workers to reach with their equipment all elevations within the hold, a horizontal trolley for permitting the workers to achieve optimum proximity to a wall surface,
10 and cleaning and coating support equipment and systems. By preference, the device can be lifted into and out of the cargo hold altogether, or in a maximum of two sections, including a base section (which includes the base of the vertical tower, walking beams, all required
15 systems for cleaning and coating, worker air supply and electrical power, as well as lower parts of distribution systems, with connectors), and an upper section (which includes a variable height upper vertical tower, vertical
20 trolley, variable extension horizontal trolley, vertical trolley hoist mechanism, horizontal trolley extension mechanism, and upper parts of distribution systems, with connectors). The upper section is stackable on the base. The walkway on the horizontal trolley extends on all four
25 sides, in order to permit working from at least two sides simultaneously for each of four positions of the base on the bottom of the hold. For cleaning and coating,

automated abrasive blasting equipment and automated coating spraying equipment is provided for horizontal travel along each of the four sides of the horizontal trolley, e.g., on the safety rail.

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