

SEMI-AUTOMATED BLASTING SYSTEM AND METHOD

Abstract

Embodiments of the invention provide a blasting system for cleaning operations of a substantially vertical ship hull surface. The blasting system includes a blast projection module, an image acquisition module, and a blasting control module. The blast projection module includes at least one blasting gun configured to perform blasting operation on a work surface, and is configured to be removably mounted to a movable platform, wherein the movable platform is configured to dispose the blast projection module at a specified position in relation to the work surface; the image acquisition module is configured to acquire an image of the work surface; and the blasting control module is configured to remotely control the at least one blasting gun to perform blasting operation on the work surface based on the image acquired by the image acquisition module.

(Figure 1)