

Title (en)

AUTOMATED INSTALLATION TO PUT BRICKS ONTO THE INTERIOR FACE OF A VESSEL

Publication

EP 0248251 B1 19900228 (FR)

Application

EP 87107127 A 19870516

Priority

LU 86458 A 19860605

Abstract (en)

[origin: US4786227A] The apparatus of the present invention utilizes a bricklaying robot which comprises an automatic brick-handling or grabbing device fastened to the end of a main arm which is carried by a frame mounted on a work platform; and which is radially movable relative to the platform. Circular movement of the arm and of the grabbing device relative to the vertical axis of the work platform is generated as result of a rotation of the platform about this vertical axis. The present invention also utilizes a storage table which is mounted underneath the main arm of the robot, so as to be movable along a vertical axis and rotatable about the axis. The present invention further includes an automatic depalletizing mechanism comprising a pivoting arm, of which one of the ends is equipped with a brick-grasping device and the other end is mounted pivotally on a support sliding parallel to the main arm of the robot between two rails of the frame. This brick lining apparatus is less bulky than known prior art apparatuses and offers monitoring personnel a greater degree of safety.

IPC 1-7

C21C 5/44; F27D 1/16

IPC 8 full level

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CPC (source: EP US)

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