

Abstract

The invention relates to a method and to a container transfer installation (2, 102) for placing containers into and removing containers from or transferring containers (1) in high-rack or block storage areas (3, 15) of a seaport or inland port within a container transfer installation (2, 102) having an integrated, fully automatic container transport system. An accelerated process having high total throughput is achieved in that individual containers (1) are deposited by the at least one loading gantry (6) successively onto pallets (19) or transverse conveying carts (18) provided on a transfer cart (8; 8a, 8b) that at least has an upper and a lower accommodating and conveying level (I, II) and can be moved parallel to the container storage area (3, 15), and the pallets (19) loaded with a container (1) are led over means of pallet transverse conveying means (25) or the containers (1) are led over by means of the transverse conveying carts (18) of the transfer cart (8; 8a, 8b) from the transfer cart onto an end distribution vehicle (9; 9a, 9b), which can be moved parallel to the container storage area (3, 15) and is positioned in line before the transfer cart (8; 8a, 8b) and has an upper and a lower level (I, II) and are led over by means of transverse conveying means (20; 25) from the end distribution vehicle onto a stationary transfer station (10) of the container storage area (3, 15), which transfer station likewise has an upper and a lower level (I, II) and from which transfer station a storage area crane (12) lifts the container (1) in order to place the container in the container storage area (3, 15).

< FIG. 6 >