

Title (en)

Loading shaft for covering a ship's hatch or similar opening

Title (de)

Ladeschacht zum Abdecken einer Schiffsluke oder ähnlichen Ladeöffnung

Title (fr)

Cage de chargement pour couvrir l'écoutille d'un bateau ou ouverture similaire

Publication

EP 0744335 B1 20000301 (DE)

Application

EP 96250112 A 19960522

Priority

DE 19519283 A 19950522

Abstract (en)

[origin: US5662059A] A device for covering a ship's hatch by a loading chute which can be placed on the edge of the hatch during loading and unloading of a pallet container which is attached to a load suspension apparatus. The loading chute can be automatically opened and closed as a function of the position of the pallet container. The upper opening of the chute can be covered, when the rain-protected pallet container is in the loading shaft or below it, by an umbrella-like shield which is arranged on the load suspension apparatus above the pallet container. A rolling gate in one end position closes the loading opening and after covering of the upper opening of the loading chute by the shield, can be moved into another end position which flees the loading opening. The opening and closing movements of the rolling gate are controlled by contact-less transmitters which detect the position of the pallet container in the chute.

IPC 1-7

B63B 17/02

IPC 8 full level

B63B 17/02 (2006.01)

CPC (source: EP US)

B63B 17/023 (2013.01 - EP US)

Cited by

CN103373442A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

US 5662059 A 19970902; AT E190025 T1 20000315; DE 19519283 C1 19961107; DE 59604516 D1 20000406; EP 0744335 A1 19961127; EP 0744335 B1 20000301; ES 2143139 T3 20000501; PT 744335 E 20000831

DOCDB simple family (application)

US 60216296 A 19960215; AT 96250112 T 19960522; DE 19519283 A 19950522; DE 59604516 T 19960522; EP 96250112 A 19960522; ES 96250112 T 19960522; PT 96250112 T 19960522