

Title (en)  
CONTAINER AND CONTAINER UNLOADING METHOD

Title (de)  
BEHÄLTER UND BEHÄLTERENTLADEVERFAHREN

Title (fr)  
CONTENEUR ET PROCÉDÉ DE DÉCHARGEMENT DE CONTENEUR

Publication  
**EP 3689782 A4 20210512 (EN)**

Application  
**EP 17927108 A 20170926**

Priority  
RU 2017000711 W 20170926

Abstract (en)  
[origin: EP3689782A1] The present invention relates to containers for the transportation and storage of loose loads, which comply with international standard ISO 1496 and its Russian national equivalent, and also to methods for unloading same. A container includes a frame with fittings, side walls, end walls, and a bottom in the lower part of the container, via which unloading is performed. Disposed in the lower part of the container is at least one longitudinal beam which runs parallel to the side walls and substantially along the entire length of the container. The bottom is configured in the form of at least one shutter pivotally fastened in the lower part of the container. The container is provided with locking members for locking the at least one shutter in a closed position. The at least one shutter comprises support platforms capable of interacting with the locking members in order to lock the at least one shutter in a closed position. A method for unloading the above container comprises raising the shutters, bringing the locking members out of engagement with the support platforms, and opening the at least one shutter, thus unloading the container. The technical result is that of providing reliable locking in a transport position, and also of simplifying and expediting the unloading of a container, while maintaining a high ratio between the space occupied by a container and the volume of the load therein.

IPC 8 full level  
**B65D 88/58** (2006.01); **B65D 90/62** (2006.01)

CPC (source: EA EP)  
**B65D 88/28** (2013.01 - EA); **B65D 88/54** (2013.01 - EA); **B65D 88/58** (2013.01 - EP); **B65D 90/623** (2013.01 - EP); **B65D 2590/666** (2013.01 - EP)

Citation (search report)

- [X] WO 02100741 A1 20021219 - SKY TECHNOLOGY PTE LTD [SG], et al
- [A] US 3248142 A 19660426 - SCHACKERMAN REUBEN W
- [A] WO 9626138 A1 19960829 - FROEDERBERG PER ARNE [SE]
- See references of WO 2019066673A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3689782 A1 20200805**; **EP 3689782 A4 20210512**; CA 3111500 A1 20190404; CA 3111500 C 20230905; CN 111201188 A 20200526; CN 111201188 B 20220503; EA 039068 B1 20211130; EA 202090794 A1 20200731; WO 2019066673 A1 20190404

DOCDB simple family (application)  
**EP 17927108 A 20170926**; CA 3111500 A 20170926; CN 201780095169 A 20170926; EA 202090794 A 20170926; RU 2017000711 W 20170926