

Title (en)
SECURITY SYSTEM FOR SAFEGUARDING A LIFTING-TILTING PATH OF A LOADING SYSTEM, AND A METHOD THEREFOR

Title (de)
SICHERHEITSSYSTEM ZUR SICHERUNG EINES HUB-SCHWENK-PFADS EINES LADESYSTEMS UND VERFAHREN DAFÜR

Title (fr)
SYSTEME DE SECURITE DESTINE A SECURISER UN TRAJET DE LEVAGE/BASCULEMENT D'UN SYSTEME DE CHARGEMENT ET UN PROCEDE ASSOCIE

Publication
EP 3118141 A1 20170118 (EN)

Application
EP 16179561 A 20160714

Priority
NL 2015164 A 20150714

Abstract (en)
The present invention relates to a security system (12) for safeguarding a lifting-tilting path of a loading system (6) provided with a loading seat (8) for emptying a container into a collector (4), comprising a sensor (14, 16, 20, 22) with a monitoring area configured to detect objects in the monitoring area during movement of the loading seat during emptying of the container into the collector, and an alarm system (28) operatively connected to the sensor for directly or indirectly performing a blocking of the movement of the loading seat, wherein the monitoring area of the sensor at least partially comprises the lifting-tilting path of the container during the movement of the container in the loading seat.

IPC 8 full level
B65F 3/00 (2006.01)

CPC (source: EP)
B65F 3/00 (2013.01)

Citation (applicant)
NL 2008407 C2 20130909 - TERBERG MACHINES

Citation (search report)
• [XA] DE 102005023154 A1 20051208 - SCHNEIDER SYSTEMTECHNIK GMBH [DE]
• [XA] EP 0818402 A1 19980114 - GEESINK BV [NL]
• [XD] NL 2008407 C2 20130909 - TERBERG MACHINES

Cited by
CN111348354A; DE102019113507A1; JP2018154462A; CN109739115A; JP2018154463A; JP2021113129A; WO2020234437A2; WO2020234437A3

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3118141 A1 20170118; EP 3118141 B1 20220706; DK 3118141 T3 20220801; ES 2924484 T3 20221007; LT 3118141 T 20220912; NL 2015164 B1 20170201; PL 3118141 T3 20221003; PT 3118141 T 20221017

DOCDB simple family (application)
EP 16179561 A 20160714; DK 16179561 T 20160714; ES 16179561 T 20160714; LT 16179561 T 20160714; NL 2015164 A 20150714; PL 16179561 T 20160714; PT 16179561 T 20160714