

Title (en)
Loading Assembly and Emergency Disconnection Coupler for conveying a pressurized Gas between a floating Gas processing Unit and another Structure

Title (de)
Ladeanordnung und Notfalltrennungskoppler zum Fördern eines Druckgases zwischen einer schwimmenden Gasverarbeitungseinheit und einer anderen Struktur

Title (fr)
Ensemble de chargement et coupleur de déconnexion d'urgence permettant d'acheminer un gaz sous pression entre une unité de traitement de gaz flottante et une autre structure

Publication
EP 2808294 A1 20141203 (EN)

Application
EP 13170155 A 20130531

Priority
EP 13170155 A 20130531

Abstract (en)
An improved loading assembly is presently proposed for conveying a pressurized gas between a floating gas processing unit and another structure. The loading assembly comprises a loading arm extending between the floating gas processing unit and the other structure. The loading assembly has a breakaway weak link within a gas connection between a spool-side isolation valve and an arm-side isolation valve, to ensure the contained gas flow path breaks open at a preconceived location between the spool-side isolation valve and the arm-side isolation valve, in case the mechanical load on the loading arm arrangement, caused by relative movement between the floating gas processing unit and the other structure, exceeds a predetermined limit. The breakaway weak link may be integrated with an actuated coupling part of an emergency disconnection coupler.

IPC 8 full level
B67D 9/02 (2010.01); **B63B 27/34** (2006.01)

CPC (source: EP)
B63B 27/34 (2013.01); **B67D 9/02** (2013.01)

Citation (applicant)

- US 2006156744 A1 20060720 - CUSITER JAMES M [GB], et al
- WO 2007064209 A1 20070607 - SINGLE BUOY MOORINGS [CH], et al
- WO 2010069910 A2 20100624 - SHELL INT RESEARCH [NL], et al
- US 6843511 B2 20050118 - BARRY LEON K [US]
- EMCO LOADING ARMS FOR BRAZILIAN TERMINAL, 2 April 2013 (2013-04-02), Retrieved from the Internet <URL:www.greenport.com/newsIOI>

Citation (search report)

- [A] FR 2967990 A1 20120601 - SAIPEM SA [FR]
- [A] WO 0222491 A1 20020321 - FMC TECHNOLOGIES SA [FR], et al
- [A] US 5259700 A 19931109 - LANGNER CARL G [US]
- [A] WO 2010137990 A1 20101202 - AKER PUSNES AS [NO], et al
- [A] WO 0228765 A1 20020411 - EURODIM SA [FR], et al
- [A] DE 8809509 U1 19881208
- [A] WO 2008007034 A2 20080117 - EURODIM SA [FR], et al
- [A] WO 2011026951 A1 20110310 - SINGLE BUOY MOORINGS [CH], et al

Cited by
EP3321552A4

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)
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