

Title (en)

SYSTEM AND METHOD FOR TRANSFER OF HYDROCARBON CONTAINING FLUIDS

Title (de)

SYSTEM UND VERFAHREN ZUR ÜBERTRAGUNG VON KOHLENWASSERSTOFFHALTIGEN FLÜSSIGKEITEN

Title (fr)

SYSTÈME ET PROCÉDÉ POUR LE TRANSFERT DE FLUIDES CONTENANT DES HYDROCARBURES

Publication

EP 2953846 A1 20151216 (EN)

Application

EP 14703329 A 20140205

Priority

- US 201361760671 P 20130205
- NO 20130928 A 20130702
- EP 2014052215 W 20140205

Abstract (en)

[origin: WO2014122159A1] The invention concerns a fluid transfer system for transfer of cryogenic hydrocarbon based fluid from a supplying structure to a receiving structure. The fluid transfer system comprises at least one flexible transfer hose for transferring fluid between the supplying structure and the receiving structure, which transfer hose(s) comprises a first hose portion having a first hose end for fluid communicating connection with the supplying structure and a second hose portion having a second hose end for fluid communicating connection with the receiving structure, and where the other of the two ends of the second hose portion is arranged in fluid communication with the end of the first hose portion other than the first hose end, a support structure for supporting the at least one transfer hose, wherein the support structure comprises a column and a support arm, at least one transfer line fixed in one end to a hose end connector unit, which the connector unit is connected in fluid communication with the second hose end, and a first vertical positioning means fixed to the support structure, which vertical positioning means is configured to guide the at least one transfer line in order to, during use, vertically position the second hose end and the hose end connector unit towards a corresponding manifold connector in a second connection assembly arranged at the receiving structure. The support arm is pivotally connected to the column. (Figure 1)

IPC 8 full level

B63B 27/24 (2006.01); **B63B 27/34** (2006.01); **B67D 7/32** (2010.01); **B67D 9/00** (2010.01)

CPC (source: EP NO)

B63B 27/24 (2013.01 - EP NO); **B63B 27/34** (2013.01 - EP NO); **B67D 7/38** (2013.01 - NO); **B67D 9/00** (2013.01 - EP); **B67D 9/02** (2013.01 - EP NO)

Citation (search report)

See references of WO 2014122159A1

Cited by

CN110510072A; CN113536456A; NO20200460A1; NO346025B1; EP4107116A4; US11987328B2

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)

WO 2014122159 A1 20140814; EP 2953845 A1 20151216; EP 2953845 B1 20180404; EP 2953846 A1 20151216; EP 2953846 B1 20171011; KR 102165383 B1 20201015; KR 102217498 B1 20210219; KR 102249003 B1 20210507; KR 20150127062 A 20151116; KR 20150128693 A 20151118; KR 20150128694 A 20151118; NO 20130928 A1 20140806; NO 340699 B1 20170606; WO 2014122123 A1 20140814

DOCDB simple family (application)

EP 2014052215 W 20140205; EP 14702606 A 20140204; EP 14703329 A 20140205; EP 2014052138 W 20140204; KR 20157023864 A 20140204; KR 20157024305 A 20140204; KR 20157024306 A 20140205; NO 20130928 A 20130702