

Title (en)

LOADING AND/OR UNLOADING TOWER EQUIPPED WITH A DEVICE FOR SPRAYING LIQUEFIED GAS

Title (de)

MIT EINER VORRICHTUNG ZUM VERSPRÜHEN VON FLÜSSIGGAS AUSGESTATTETER BELADE- UND/ODER ENTLADETURM

Title (fr)

TOUR DE CHARGEMENT ET/OU DE DECHARGEMENT EQUIPEE D'UN DISPOSITIF DE PULVERISATION DE GAZ LIQUEFIE

Publication

EP 3818295 A1 20210512 (FR)

Application

EP 19742455 A 20190704

Priority

- FR 1856227 A 20180706
- FR 2019051659 W 20190704

Abstract (en)

[origin: WO2020008148A1] The invention concerns a loading and/or unloading tower (2) for a vessel (1) intended for storing a liquefied gas, said loading and/or unloading tower (2) comprising first, second and third vertical masts (11, 12, 13) that are attached to each other by crossmembers (14) and thus define a prism with a triangular cross section; said loading and/or unloading tower (2) being further equipped with a device for spraying liquefied gas comprising a spray boom (19) comprising at least first, second and third nozzles (26, 27, 28) that are respectively capable of spraying liquefied gas onto the first, second and third masts (11, 12, 13).

IPC 8 full level

F17C 13/00 (2006.01)

CPC (source: EP KR)

F17C 13/004 (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP KR); **F17C 2223/0161** (2013.01 - EP KR); **F17C 2223/033** (2013.01 - EP KR); **F17C 2225/044** (2013.01 - EP KR); **F17C 2227/0135** (2013.01 - EP KR); **F17C 2227/0178** (2013.01 - EP KR); **F17C 2260/011** (2013.01 - EP KR); **F17C 2270/0105** (2013.01 - EP KR); **F17C 2270/0107** (2013.01 - EP KR)

Citation (search report)

See references of WO 2020008148A1

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 2020008148 A1 20200109; CN 112368508 A 20210212; CN 112368508 B 20221129; EP 3818295 A1 20210512; FR 3083589 A1 20200110; FR 3083589 B1 20220408; JP 2021530651 A 20211111; JP 7483636 B2 20240515; KR 20210027350 A 20210310; SG 11202013110W A 20210128

DOCDB simple family (application)

FR 2019051659 W 20190704; CN 201980045410 A 20190704; EP 19742455 A 20190704; FR 1856227 A 20180706; JP 2020572685 A 20190704; KR 20217000088 A 20190704; SG 11202013110W A 20190704