

Title (en)

SHIP COMPRISING A BOW DOOR ARRANGEMENT AND/OR A BOW RAMP ARRANGEMENT

Title (de)

SCHIFF MIT EINER BUGTÜRANORDNUNG UND/ODER EINER BUGRAMPENANORDNUNG

Title (fr)

NAVIRE COMPRENANT UN AGENCEMENT DE PORTE D'ÉTRAVE ET/OU UN AGENCEMENT DE RAMPE D'ÉTRAVE

Publication

**EP 4289718 A2 20231213 (EN)**

Application

**EP 23205487 A 20190704**

Priority

- SE 1850916 A 20180719
- EP 19739729 A 20190704
- SE 2019050665 W 20190704

Abstract (en)

The present invention relates to a bow ramp arrangement for a ship comprising a bow ramp and a wire actuation system. The bow ramp comprises a first bow ramp part and a second bow ramp part. The first bow ramp part is arranged to be pivotably connected to a ship. The first bow ramp part being separably engageable to or fixedly engaged to the second bow ramp part and pivotable relative to the second bow ramp part. The wire actuation system comprises at least one wire and a wire actuator. The wire is connected to the wire actuator, to the second bow ramp part and to a wire actuation point. The first bow ramp part is connected to a first bow ramp actuator wherein the wire actuator is arranged to control the deployment of the bow ramp together with the first bow ramp actuator.

IPC 8 full level

**B63B 27/14** (2006.01)

CPC (source: EP KR)

**B63B 19/08** (2013.01 - EP KR); **B63B 27/143** (2013.01 - EP KR); **B63B 2019/083** (2013.01 - EP KR)

Citation (applicant)

- JP 2003026081 A 20030129 - KAYABA INDUSTRY CO LTD
- DE 202018101722 U1 20180409 - FLENSBURGER SCHIFFBAU GMBH & CO KG [DE]
- DE 2723797 A1 19781130 - WESER AG
- WO 0168442 A1 20010920 - HAMWORTHY KSE AB [SE], et al
- WO 9632317 A1 19961017 - KVAERNER SHIPS EQUIPMENT [SE], et al

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)

**WO 2020022945 A2 20200130**; **WO 2020022945 A3 20200305**; CN 112654556 A 20210413; CN 112654556 B 20240830; EP 3814212 A2 20210505; EP 3814212 B1 20231206; EP 3814212 C0 20231206; EP 4289718 A2 20231213; EP 4289718 A3 20240320; KR 20210042917 A 20210420; PL 3814212 T3 20240415

DOCDB simple family (application)

**SE 2019050665 W 20190704**; CN 201980053864 A 20190704; EP 19739729 A 20190704; EP 23205487 A 20190704; KR 20217004287 A 20190704; PL 19739729 T 20190704