

Title (en)
Tunnel thruster system

Title (de)
Bugstrahlrudersystem

Title (fr)
Système propulseur de tunnel

Publication
EP 2923942 A1 20150930 (EN)

Application
EP 14162417 A 20140328

Priority
EP 14162417 A 20140328

Abstract (en)
The present disclosure relates to a tunnel thruster system (10) of a vessel (1). Specifically, a tunnel thruster system may comprise a hull segment (18) extending along a longitudinal axis (A) of a vessel (1) and defining a passage (20) therethrough. The tunnel thruster system (10) may further comprise a propeller unit (22) disposed in the passage (20) and configured to generate a water jet in a first direction through the passage (20). At least one deflector (24, 26) may be disposed in the passage (20) and may be configured to deflect at least part of the water jet in a second direction different from the first direction for guiding the water jet at least in part around a flow obstacle (16, 17) defined by the vessel (1).

IPC 8 full level
B63H 25/46 (2006.01)

CPC (source: EP)
B63H 25/42 (2013.01)

Citation (applicant)
EP 2305558 A1 20110406 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]

Citation (search report)
• [X] JP 2002264895 A 20020918 - ISHIKAWAJIMA HARIMA HEAVY IND
• [X] US 3008443 A 19611114 - KARL BLICKLE
• [X] JP 2004009951 A 20040115 - MITSUBISHI HEAVY IND LTD
• [X] KR 20130000054 A 20130102 - SAMSUNG HEAVY IND [KR]
• [A] KR 20140036409 A 20140326 - SAMSUNG HEAVY IND [KR]

Cited by
US2018244356A1; WO2024037197A1

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 2923942 A1 20150930; WO 2015144311 A1 20151001

DOCDB simple family (application)
EP 14162417 A 20140328; EP 2015000653 W 20150326