

Title (en)

FUEL SUPPLY DEVICE AND MARINE BOILER PROVIDED THEREWITH, AND FUEL SUPPLY DEVICE CONTROL METHOD

Title (de)

KRAFTSTOFFZUFÜHRVORRICHTUNG UND SCHIFFSKESSEL DAMIT SOWIE
KRAFTSTOFFZUFÜHRVORRICHTUNGSTEUERUNGSVERFAHREN

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT ET CHAUDIÈRE MARINE ÉQUIPÉE DE CELUI-CI, ET PROCÉDÉ DE COMMANDE DE
DISPOSITIF D'ALIMENTATION EN CARBURANT

Publication

EP 3406973 A4 20190116 (EN)

Application

EP 17769670 A 20170202

Priority

- JP 2016056969 A 20160322
- JP 2017003831 W 20170202

Abstract (en)

[origin: EP3406973A1] Provided is a fuel supply system (100) including a fuel gas supply header (102) through which fuel gas supplied from an LNG tank (400) flows; a main nozzle supply pipe (54); a pilot nozzle supply pipe (55); a control valve (53) provided to the main nozzle supply pipe (54); and a control unit (90) that controls the degree of opening of the control valve (53). The control unit (90) controls the control valve (53) so that when the flow rate of the fuel gas supplied from the fuel gas supply header (102) to the first burner (221) is less than a predetermined flow rate, the control valve (53) is closed, and when the flow rate of the fuel gas supplied from the fuel gas supply header (102) to the first burner (221) is greater than or equal to the predetermined flow rate, the degree of opening of the control valve (53) increases with an increase in the flow rate of the fuel gas.

IPC 8 full level

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CPC (source: EP KR)

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F23K 5/005 (2013.01 - EP KR); **F23K 5/007** (2013.01 - KR); **F23N 1/00** (2013.01 - EP); **F23N 1/002** (2013.01 - EP); **F23N 1/007** (2013.01 - KR);
F23K 2400/201 (2020.05 - KR)

Citation (search report)

- [XY] EP 2189719 A2 20100526 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] JP 2012167859 A 20120906 - MITSUBISHI HEAVY IND LTD
- [A] US 2013061596 A1 20130314 - RENTALA PRADEEP [IN]
- See references of WO 2017163623A1

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

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EP 3406973 A1 20181128; **EP 3406973 A4 20190116**; **EP 3406973 B1 20200122**; CN 108700295 A 20181023; CN 108700295 B 20190806;
DK 3406973 T3 20200302; JP 2017172835 A 20170928; JP 6665004 B2 20200313; KR 102053563 B1 20191206; KR 20180100444 A 20180910;
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