

Title (en)
SHIP PROPULSION SYSTEM

Title (de)
SCHIFFSANTRIEBSSYSTEM

Title (fr)
SYSTÈME DE PROPULSION DE NAVIRE

Publication
EP 3225823 B1 20191211 (EN)

Application
EP 16194927 A 20161020

Priority
JP 2015210498 A 20151027

Abstract (en)
[origin: EP3225823A1] Provided is a ship propulsion system (1) including a variable pitch propeller (15) including a pitch change mechanism (16), a gas engine (2) including a plurality of cylinders (21), for rotating the propeller (15), a plurality of fuel injection valves (5) provided to the gas engine (2), corresponding to the cylinders (21), respectively, and a control device (6) for controlling the mechanism (16) and the valves (5). When a misfire occurs continuously in any of the cylinders (21), the control device (6) suspends fuel gas injection from the fuel injection valve (5) corresponding to the misfired cylinder (21) and lowers a limit of a fuel injection amount of other fuel injection valves (5), and reduces a pitch of the propeller (15). The ship propulsion system (1) maintains the output of the gas engine after a cylinder cutoff as high as possible without lowering the efficiency during a normal operation.

IPC 8 full level
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