Title (en)
  Ship propulsion system

Title (de)
  Schiffsantriebssystem

Title (fr)
  Système de propulsion de bateau

Publication
  EP 2813421 A2 20141217 (EN)

Application
  EP 14167837 A 20140512

Priority
  DK PA201300349 A 20130606

Abstract (en)
  Described is a ship propulsion system (1) comprising a propeller arrangement (2) having at least one adjustable propeller blade (3) connected to a
  hub (6) housing a hydraulic cylinder arrangement comprising a first pressure chamber (7) and a second pressure chamber (8) separated by a piston
  (9) connected to and operating an regulating device for the at least one adjustable propeller blade (3) and a propeller shaft (5) located between
  the hub (6) and a torque transmission unit (4) where the propeller shaft (5) comprises a valve arrangement (10) provided with fluid from a hydraulic
  power unit (11) and having a number of valve fluid channels (17,18,19,20) connected to a number of check valves (15,16) for controlling a flow of
  fluid through a first duct (13) and a second duct (14) to the first pressure chamber (7) and from the second pressure chamber (7), respectively, or
  vice versa. The ship propulsion system is characterized in that the valve arrangement (10) comprises at least one check valve (15,16) arranged in a
  valve housing (12) being mounted to an outside surface of the propeller shaft (5) and rotating together with the propeller shaft (5).

IPC 8 full level
  B63H 3/08 (2006.01)

CPC (source: EP)
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Citation (applicant)
  KR 20120003058 A 20120110 - HYUN DAI HEAVY IND CO LTD [KR]

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