

Title (en)

Arrangement for dynamic control of running trim and list of a boat

Title (de)

Anordnung zur dynamischen Steuerung eines Laufgriffs und -stange eines Boots

Title (fr)

Agencement de commande dynamique de l'assiette et du gîte d'un bateau

Publication

EP 2703279 B1 20180620 (EN)

Application

EP 12181911 A 20120827

Priority

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Abstract (en)

[origin: EP2703279A1] The present invention relates to an arrangement (1) for dynamic control of running trim, list and/or yaw of a boat, said arrangement (1) having a housing member (9), an interceptor member (5), an actuating means (10), a drive unit (7) operated by a power supply means (8), and a guiding arrangement (22), said guiding arrangement (22) being arranged to guide said interceptor member (5) between a first position and a second end position, said actuating means (10) being arranged to displace said interceptor member (5) in a movement between said first and second positions in relation to said housing member (9) by being driven by said drive unit (7), and said housing member (9) comprising a front plate (9a) and a rear plate (9b) enclosing said interceptor member (5) in said first position and partially enclosing said interceptor member (5) in said second position, wherein said guiding arrangement (22) has a first guiding member (23) and a second guiding member (24) which are arranged to interact with each other to provide a parallel movement of said interceptor member (5) in relation to said housing member (9), said first guiding member (23) being a torque transferring, rotatable element having a base body (27) arranged to extend transverse to the direction of displacement of said interceptor member (5) and having at least two fixedly attached toothed wheels (26), said second guiding member (24) being at least two toothed guiding surfaces (28) fixedly arranged to said interceptor member (5) interacting with said toothed wheels (26), wherein said first guiding member (23) is movably arranged in between one plate (9a, 9b) of said housing member (9) and said second guiding member (24).

IPC 8 full level

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CPC (source: EP)

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Cited by

RU2612941C1; US11372411B1; US11780543B2; US10322778B2; WO2016188963A1; EP3298302B1; EP3860907B1

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