

Title (en)
MOORING PULLEY TENSIONING SYSTEM

Title (de)
VERTÄUUNGSRIEMENSCHLEIBENSCHANNENSYSTEM

Title (fr)
SYSTÈME DE TENSIONNEMENT DE POULIE D'AMARRAGE

Publication
EP 3251942 A1 20171206 (EN)

Application
EP 17174596 A 20170606

Priority
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Abstract (en)
The invention relates to a mooring tensioning arrangement for a floating structure or vessel (11), comprising an anchor (2), a mooring line (3), a mooring tensioner (4) and a working line (5), said mooring tensioner (4) having a tensioning pulley (20), said mooring line (3) being attached at a first end to said anchor (2) and at a second end to said mooring tensioner (4), said working line (5) is adapted to be attached at a first end to said floating structure or vessel (11) and extending over said tensioning pulley (20), and said working line (5) being attached to a pulling unit (9, 10,) at a second end, said pulling unit being remotely arranged from the offshore structure (11); said working line (5) having a first flight that extends between said attachment to said floating structure or vessel (11) and said tensioning pulley (20). The invention is distinctive in that a second flight extends from said tensioning pulley (20) towards said pulling unit (9, 10) that said second flight of said working line (5) is substantially parallel to said first flight of said working line (5) so that a tensioning force from said pulling unit, acting upon said mooring line, does not pull said mooring line out of a straight line between said anchor and said floating structure or vessel.

IPC 8 full level
B63B 21/50 (2006.01)

CPC (source: EP)
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Citation (search report)
• [X] US 5390618 A 19950221 - WOLFF CHRISTIAN V [US], et al
• [XI] US 5566636 A 19961022 - WOLF CHRISTIAN V [US], et al
• [XI] DE 102008029982 A1 20091231 - SCHOPF WALTER [DE]
• [X] US 3151594 A 19641006 - COLLIPP BRUCE G

Cited by
JP2022519872A; EP4091928A1; WO2020165568A1

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