

Title (en)

MOTION COMPENSATION DEVICE

Title (de)

BEWEGUNGSKOMPENSATIONSVORRICHTUNG

Title (fr)

DISPOSITIF DE COMPENSATION DE MOUVEMENT

Publication

EP 2953884 B1 20171227 (EN)

Application

EP 14704183 A 20140205

Priority

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- NL 2014050070 W 20140205

Abstract (en)

[origin: WO2014123414A1] Pedestal motion compensation device 1) for compensating heave, pitch and roll motion of a carrier frame on board of a vessel. The device comprises: a carrier frame (2); a base (3) for supporting the device on the vessel; a z-translation unit (4); and a xy-rotation unit (5). The z-translation unit allows a z-axis translational movement. The xy-rotation unit allows x-axis rotational movement as well as y-axis rotational movement. A z-axis rotational movement is prevented by a linear guide system (12), and a main universal joint (14) including a blocking element (58), so that the carrier frame and the base are moveable with respect to each other in a translational direction along the z-axis, in a rotational direction around the x-axis and in a rotational direction around the y-axis but restrained from mutual movement in a translational direction along the x-axis, in a translational direction along the y-axis and in a rotational direction around the z-axis.

IPC 8 full level

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CPC (source: EP)

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