

Title (en)
Suspension device for an acoustic base.

Title (de)
Einrichtung zur Aufhängung einer akustischen Basis.

Title (fr)
Dispositif de suspension pour base acoustique.

Publication
EP 0448460 A1 19910925 (FR)

Application
EP 91400734 A 19910319

Priority
FR 9003747 A 19900323

Abstract (en)
The invention concerns suspension devices for acoustic bases for sonars (2) inside their protective dome (9). <??>It consists in using two rods (3, 4) articulated at one end on the hull of the ship (5, 6) and at the other end (7, 8) on the acoustic base. These rods form a triangulation which imposes, during movements of the base, a rotation of the latter about an instantaneous centre of rotation (R) located above the centre of gravity (G) of the base. In this way when the base touches the inside surface of the dome, the shock is produced surface against surface and not corner against corner, which limits damage due to shocks. <??>It allows the simultaneous obtaining of a very free suspension of the acoustic base and good protection of the sonar dome. <IMAGE>

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G10K 11/00

IPC 8 full level
G10K 11/00 (2006.01)

CPC (source: EP US)
G10K 11/006 (2013.01 - EP US)

Citation (search report)
• [A] DE 3312452 A1 19841011 - HONEYWELL ELAC NAUTIK GMBH [DE]
• [A] US 2832944 A 19580429 - KESSLER GEORGE W
• [A] DE 2732254 A1 19790125 - VDO SCHINDLING
• [A] US 1348538 A 19200803

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DOCDB simple family (application)
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