

ABSTRACT

Sonar device (301) intended to be towed by a surface ship (B) and comprising a tow cable (2) and a set of at least one towed device, comprising a towed body (4), intended to be towed by the surface ship (B) via the tow cable (2), the towed body (4) being elongate along a longitudinal axis (I) from a first longitudinal end (42) of the towed body as far as a second longitudinal end (43) of the towed body (4), the towed body (4) incorporating a first linear acoustic antenna (40) comprising a plurality of electroacoustic transducers (41) substantially aligned along the longitudinal axis (I), the towed device being configured and connected to the tow cable in such a way that the towed body is able, when it is being towed and is fully submerged, to exhibit an orientation in which the longitudinal axis (I) extends substantially along a vertical axis defined by the force of gravity, at least one towed body of the set of towed bodies being connected to the tow cable (2) by a first hanger (6) and a second hanger (7) of substantially the same length, a first end (6a) of the first hanger (6) and a first end (7a) of the second hanger (7) being connected to the tow cable and a second end (6b) of the first hanger (6) being attached to the towed body (4) at a fixing point (44) of the towed body (4) which point is situated near the first longitudinal end (42) and a second end (7b) of the second hanger (7) being attached to the towed body (4) at a second fixing point (45) secured to the first fixing point (44) and situated near the second longitudinal end (43).

Figure for the abstract: fig. 1