

TRUE MAGNETIC COMPASS

ABSTRACT

A magnetic compass comprising an arrangement to displace a correcting marker (4), to create a compass correcting coefficient equal to the sum of the variation and the deviation errors affecting the compass so as to counteract the compass error, and to indicate the true course. The correcting marker (4), becomes the steering reference and a vessel is steered so that the correcting marker is aligned with the true course to be steered by the vessel. Repeaters fed from this compass, which repeaters are fed by the hunting between the compass card and displaceable correcting marker (4), indicate the true course as well as true bearings. The displacement of the correcting marker can be controlled from a computer programme which displaces the correcting marker in dependence upon the effecting variation and deviation. Thus the magnetic compass shows true course and the repeaters show true course and true bearings automatically.

Fig. 1.