

Abstract

INSPECTION VEHICLE

Inspection vehicle (1) for under water inspection of coating, marine growth, structural integrity and corrosion on ferromagnetic ship hulls and other ferromagnetic structures. The inspection vehicle is distinctive in that it comprises

a non-magnetic element (2),

at least one magnetic wheel or device (3) operatively arranged to the element, and

a watertight camera (4) for visual inspection attached to the element or other structure of the inspection vehicle,

wherein the inspection vehicle comprises

one coupling side (5) where the at least one magnetic wheel or device is operatively arranged for the inspection vehicle to couple magnetically through coating, any marine growth and corrosion products and allow rolling the inspection vehicle on said structure, in horizontal to vertical to upside down-orientation while holding the inspection vehicle attached to the structure, and

one non-coupling side (6) oriented in substance in opposite direction to the coupling side, where the at least one magnetic wheel is not operatively arranged and the non-coupling side will not couple magnetically to said structure.

A method for operating the inspection vehicle is also provided.

Figure 2