

An apparatus for pointing an instrument automatically
to a specified target

Abstract

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This invention relates to an intelligent apparatus for controlling and pointing an instrument to a specified or detected target automatically. It is a microprocessor
10 based apparatus integrated with a robotic control system. The satellite based Global Position System (GPS) integrated with a nine axis Inertial Measurement Unit (IMU) together with a digital compass enables the tracking and pointing to a target at the geographic space directly and automatically. In a preferred embodiment, an antenna with the apparatus (100) installed in a ship comprises
15 an intelligent mobile antenna to enable the best communication between the ground stations and ship.

[Fig. 1(a) and 1(b)]

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