

**SYSTEM AND METHOD FOR DETERMINING OF MOVEMENTS AND
OSCILLATIONS OF MOVING STRUCTURES**

ABSTRACT

The invention relates to a system for monitoring movements of a structure (1), which system comprises at least one inertial measurement device (5), mounted on said structure, for detecting rotation rates and acceleration values in the earth-fixed inertial system. A central unit (11) determines a monitoring value on the basis of the rotation rates and acceleration values, using a navigation algorithm. The invention further relates to an output unit (12) for outputting the monitoring value.

Figure 1