

ABSTRACT OF THE DISCLOSURE**STRUCTURE OF A SYNCHRONOUS RECIPROCATING TRACKING
DEVICE**

5

A structure of a synchronous reciprocating tracking device is disclosed. The tracking device comprises a contacting pointer urged by a first and a second urging plate enclosing a compression spring with a first rotating gear, and a
10 switching device mounted with a first and a second contact. The rotation of the first rotating gear in one direction allows an instantaneous detection by the contact of the tip of the pointer at the first contact point and a reverse direction of rotation of the first rotating gear causes the tip of the pointer
15 to contact with the second contact point and a signal is then produced instantaneously.

20

(FIG. 1)