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(12) **ABSTRACT OF INVENTION**

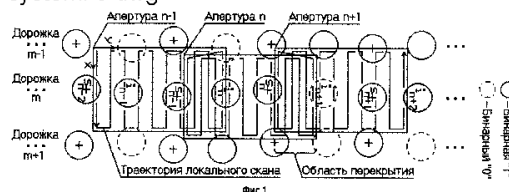
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(54) **METHOD FOR READING DIGITAL INFORMATION IN PROBE MEMORY DEVICE**

(57) Abstract:
FIELD: computer engineering;
high-capacity probe memories. SUBSTANCE: in
the course of reading information out of
probe memory device permanent gap is
maintained between probe and information
medium surface in vertical plane by means of
servomechanism. In the process line scanning
is made of rectangular environment of
current binding element in the form of
auxiliary synchronizing element or memory
element proper. Then next binding element is
identified in mentioned environment. Its
relative position on information track and
bit values of stored information are

determined. After that above-described
process is repeated for next mentioned
element considered to be current one.
EFFECT: enhanced reliability of holding
memory probe on information track;
simplified design of device and control
system. 3 dwg



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