

Title (en)

PROCESS AND DEVICE FOR DETERMINING THE DIRECTIONAL PARAMETERS OF A CONTINUOUSLY EXPLORED WELL

Publication

EP 0026706 B1 19840912 (FR)

Application

EP 80401361 A 19800925

Priority

FR 7924029 A 19790927

Abstract (en)

[origin: US4362054A] Method and apparatus for continuously determining direction parameters of a borehole from the position of a well logging tool in the borehole during tool movement in the borehole, comprise a well logging tool including an accelerometer and a direction indicator, such as a magnetometer, with three sensitive axes respectively. Output signals derived from the accelerometer are prefiltered and then combined with respective output signals derived from the direction indicator in a manner so as to reduce to negligible proportions the effects of tool motion on respective ones of the output signals. The resulting signal is then subjected to a selective low-pass filtering, and the components thereof are thereafter, respectively combined with corresponding, suitable components of the original output signals in a manner such as to derive direction parameters for the borehole.

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