

Title (en)

Method and system for the detection of the precession of a drill string element

Title (de)

Verfahren und Vorrichtung zur Erfassung der Präzession eines Bohrstrangelementes

Title (fr)

Méthode et système de détection de la précession d'un élément d'une garniture de forage

Publication

**EP 0887511 B1 20030903 (FR)**

Application

**EP 98401475 A 19980617**

Priority

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Abstract (en)

[origin: EP0887511A1] The method of detecting the precession of a drilling element rotating in a shaft involves acquiring at least one measure from measuring devices placed near the surface, representing the vibration of the element in the shaft. This measurement is then automatically treated to produce a mean location and a significant ray in the spectrum of this measurement, the location being checked at intervals of less than 10 seconds. A precession criterion is determined from the characteristics of this ray, and an alarm is set off if the criterion reaches a predetermined threshold value. Also claimed is a system for detecting the precession of a drilling element using the above method.

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