Title (en)

METHOD FOR ERROR-FREE CHECKING OF TUBES FOR SURFACE FAULTS

Title (de)

VERFAHREN ZUR ZERSTÖRUNGSFREIEN PRÜFUNG VON ROHREN AUF OBERFLÄCHENFEHLER

Title (fr)

PROCEDE DE VERIFICATION NON DESTRUCTIVE DE TUYAUX, POUR DETECTER D'EVENTUELS DEFAUTS SUPERFICIELS

Publication

**EP 1910814 A2 20080416 (DE)**

Application

**EP 06775800 A 20060728**

Priority

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- DE 102006035599 A 20060727

Abstract (en)

[origin: WO2007012331A2] The invention relates to near-real-time recording and analysis of data relating to surface faults. The following steps are used: transmission of the signals to a pre-amplifier, conversion of the analogue signals to a continuous data stream of digital data, buffering the data stream in a first memory (A), filing the first memory (A) with k data points, copying the k data points of the first memory (A) to a second memory (B) in a short time between two digital data points with simultaneous refilling of the first memory (A) with new data, transformation of the copied data by means of wavelet transformation and filtering or modification of the resulting wavelet coefficients, comparison of the measured parameters with a reference parameter, whereby a determined fault signal can be unambiguously allocated to the position of the fault.

IPC 8 full level

**G01N 27/87** (2006.01)

CPC (source: EP US)

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