

Title (en)  
Downhole directional measurement system

Title (de)  
Bohrlochrichtungsmesssystem

Title (fr)  
Système de mesure de la direction d'un puits de forage

Publication  
**EP 0857855 B1 20020911 (EN)**

Application  
**EP 97300746 A 19970206**

Priority  
EP 97300746 A 19970206

Abstract (en)  
[origin: EP0857855A1] A downhole directional measurement system to determine an inclination angle  $\theta$  of a wellbore at a point in either a definable vicinity of the wellbore bottom or in a projected path of the wellbore. The system comprises: a first inclinometer (39) for measuring an inclination angle  $\alpha$  , and producing an output signal indicative thereof, and a second inclinometer (80) for measuring an inclination angle  $\beta$  , and producing an output signal indicative thereof. The system is capable of determining the inclination angle  $\theta$  of the wellbore by extrapolation based upon said inclination angle  $\alpha$  and said inclination angle  $\beta$  . <IMAGE>

IPC 1-7  
**E21B 47/022**

IPC 8 full level  
**E21B 47/022** (2006.01)

CPC (source: EP)  
**E21B 47/022** (2013.01)

Cited by  
EP1126129A1; EP0980958A3; AT413422B; GB2587944A; GB2587944B; US10890062B2; WO0009857A1; WO0161140A1; WO2020027848A1; WO0011316A1; US10900346B2; US11549362B2

Designated contracting state (EPC)  
FR GB NL

DOCDB simple family (publication)  
**EP 0857855 A1 19980812; EP 0857855 B1 20020911**

DOCDB simple family (application)  
**EP 97300746 A 19970206**