

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 A1 19980812 (EN)

Application
EP 97300746 A 19970206

Priority
EP 97300746 A 19970206

Abstract (en)
A downhole directional measurement system to determine an inclination angle θ 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 θ 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 (2012.01)

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

Citation (search report)
• [A] US 5163521 A 19921117 - PUSTANYK RANDAL H [CA], et al
• [A] GB 2086055 A 19820506 - SUNDSTRAND DATA CONTROL
• [A] SOVIET INVENTIONS ILLUSTRATED Section Ch Week 8922, 12 July 1989 Derwent World Patents Index; Class H01, AN 89-163786, XP002033024
• [A] SOVIET INVENTIONS ILLUSTRATED Section Ch Week 8111, 22 April 1981 Derwent World Patents Index; Class H01, AN 81-19052D, XP002033025

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

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