

Title (en)

Logging tool with a parasitic radiation shield and method of logging with such a tool

Title (de)

Bohrlochmessgerät mit Strahlenschutzabschirmung und Messverfahren

Title (fr)

Instrument de diagraphie de puits avec blindage de protection contre les rayonnements et procédé de mesure

Publication

EP 1605281 B1 20060531 (EN)

Application

EP 04291261 A 20040517

Priority

EP 04291261 A 20040517

Abstract (en)

[origin: EP1605281A1] It is described a logging tool 20 for underground formations surrounding a borehole 14, comprising an elongated body 21 along a major axis; a collar 22 disposed peripherally around said body 21 having a collar wall defined by an inner and an outer surface; a radiation emitting source 201 arranged to illuminate the earth formation 16 surrounding the borehole; at least one radiation detector 211 arranged to detect radiation reflected by the earth formation resulting from illumination by the source 201; at least one source collimation window 202 and one detector collimation window 212 through which the earth formation is illuminated and radiation is detected; and characterized in that it further comprises at least one radiation shield 30 located between said inner collar surface and the outer surface of the tool, said radiation shield positioned so as to eliminate parasitic radiation that has not traversed the outer collar.

IPC 8 full level

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CPC (source: EP US)

E21B 47/017 (2020.05 - EP US)

Cited by

US8231947B2; US8211248B2; US9789544B2; US9982505B2; US8220554B2; US8211247B2; US8663401B2; US10316616B2

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