

Title (en)
Method and apparatus for completing a well

Title (de)
Verfahren und Vorrichtung zum Ausrüsten eines Bohrloches

Title (fr)
Procédé et dispositif pour la complétion de puits

Publication
EP 1319799 A1 20030618 (EN)

Application
EP 01204897 A 20011213

Priority
EP 01204897 A 20011213

Abstract (en)
A method of monitoring fluid production in a well, comprises measuring over time local parameters at a series of locations along the well, each local measurement being responsive to changes in the parameters in the region in which it is made; measuring fluid properties in the well over time downstream from the series of locations; and determining changes in the local measurements and in the measured fluid properties; and identifying locations of the formation contributing to the changes in the measured fluid properties by determining corresponding changes in the local measurements. By combining a distributed measurement made within the formation and a measurement of the fluids in the well downstream of the producing formation, it is possible to identify the location in the well at which a change has occurred in the produced fluids. Installations and completion systems for performing the method include local sensors in completion screens which can also include sealing system for shutting off flow. <IMAGE>

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IPC 8 full level
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CPC (source: EP US)
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Citation (applicant)
US 5435393 A 19950725 - BREKKE KRISTIAN [NO], et al

Citation (search report)
• [XY] WO 9812417 A1 19980326 - BP EXPLORATION OPERATING [GB], et al
• [Y] US 6075611 A 20000613 - DUSSAN V ELIZABETH B [US], et al
• [AD] EP 0588421 A1 19940323 - NORSK HYDRO TECHNOLOGY [NL]

Cited by
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