

Title (en)
METHOD AND APPARATUS FOR TREATING WASTE ROCK CUTTINGS.

Title (de)
METHODE UND VORRICHTUNG ZUR BEHANDLUNG VON GESTEINSABFÄLLEN.

Title (fr)
PROCEDE ET DISPOSITIF DE TRAITEMENT DE DEBRIS ROCHEUX DE FORAGES.

Publication
EP 0099884 A4 19850701 (EN)

Application
EP 82900860 A 19820129

Priority
US 8200131 W 19820129

Abstract (en)
[origin: WO8302568A1] Apparatus for treating a slurry of cuttings in an oil base oil well drilling fluid, such as is typically used in drilling production wells. The cuttings having a coating of hydrocarbon substances after treatment in the apparatus are sufficiently free of hydrocarbons to be dischargeable into a body of water without creating an environmental problem of a discernible film on the surface of the water. A two-stage continuous process is used for raising the temperature of a relatively thin layer of pulverized rock fragments or other cuttings to effect serial evolution of hydrocarbons in gaseous form. In the first stage (12), the incoming rock fragments are forced into a thin annular region (44) bounded by a surrounding wall (36) of corrosion-resistant metal raised to a temperature at which the bulk of hydrocarbon products are gasified for removal. In the second stage (14), the pulverized product of the first stage (12) is forced into a cylindrical annular region (68) from which the remainder of the hydrocarbon products are withdrawn. A portion of the gaseous products formed can be mixed with air or oxygen for combustion (70) to assist in meeting the energy needs of the apparatus.

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Citation (search report)
• [A] US 3658015 A 19720425 - GRIFFIN PHIL, et al
• [A] US 3570420 A 19710316 - LEWIS RAYMOND K, et al

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