

Title (en)

METHOD FOR IDENTIFYING THE ORIGIN OF ORGANIC LIQUIDS

Title (de)

VERFAHREN ZUR IDENTIFIKATION DER HERKUNFT VON ORGANISCHEN FLÜSSIGKEITEN

Title (fr)

PROCEDE PERMETTANT D'IDENTIFIER L'ORIGINE DE LIQUIDES ORGANIQUES

Publication

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Application

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Abstract (en)

[origin: DE19860546A1] The invention relates to a new economical and highly sensitive method that makes it possible to clearly identify the perpetrators of environmental pollution by water insoluble organic liquids and/or the origin or producers of polluting organic liquids. The inventive method is a method for marking natural and synthetic water insoluble fluids such as crude oil, fractions thereof and coaltar fractions. Said method is characterized in that the above-mentioned products are mixed with a lipophilized, proprietary and/or origin-specific oligonucleotide that can be detected using known i.e. optical methods. The above-mentioned water insoluble organic fluids containing the lipophilized oligonucleotide is identified by isolating the oligonucleotide and subsequently by means of sequence analysis.

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