

Title (en)

METHOD OF HYDROCARBON IMPURITIES REMOVAL FROM SURFACES

Title (de)

VERFAHREN ZUM ENTFERNEN VON KOHLENWASSERSTOFFHALTIGEN VERUNREINIGUNGEN VON OBERFLÄCHEN

Title (fr)

PROCEDE PERMETTANT D'ELIMINER DES IMPURETES D'HYDROCARBURES SUR DES SURFACES

Publication

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Application

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Priority

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- RU 2001111205 A 20010423

Abstract (en)

[origin: WO02090482A1] The invention relates to methods of surface cleaning from hydrocarbon impurities such as crude oil, petroleum products, lubricating agents, fats of technical and household grades and oils and can be used in various branches of industry for chemical - and mechanized washing and cleaning of process and transportations means. The technical object of the supposed invention is the simplification of the cleaning process, the increase of hydrocarbon impurities recovery during the regeneration of washing solution and the reduction of power consumption for carrying out the cleaning process. The technical results has been achieved owing to the fact that some changes and modifications have been introduced into the known closed-cycle method of hydrocarbon impurities removal from surfaces which includes the preparation of detergent aqueous solution containing nonionic surfactant and an active component, surface washing-off with detergent aqueous solution, pumping-off of the emulsion obtained, separating of the emulsion into aqueous and organic phases followed by the return of aqueous phase into the cleaning cycle and the periodical discharge of the organic phase to a storage tank.

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