Title (en)

METHOD FOR REMOVING AROMATIC HYDROCARBONS FROM COKE OVEN GAS HAVING BIODIESEL AS WASHING LIQUID AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR ENTFERNUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN AUS KOKEREIGAS MIT BIODIESEL ALS WASCHFLÜSSIGKEIT UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR L'ÉLIMINATION D'HYDROCARBURES AROMATIQUES D'UN GAZ DE COKERIE UTILISANT DU BIODIESEL COMME LIQUIDE DE LAVAGE, ET DISPOSITIF POUR LA MISE EN UVRE DU PROCÉDÉ

Abstract (en)

[origin: WO2014023526A1] The invention relates to a method for removing aromatic hydrocarbons from coke oven gas (COG), wherein biodiesel is conducted in a circuit as a washing liquid. The coke oven gas (COG) is brought into contact with the biodiesel in a first gas scrubbing stage (3) to separate aromatic hydrocarbons. The biodiesel, enriched by aromatic hydrocarbons, is then withdrawn from the first gas scrubbing stage (3), heated and regenerated by stripping using water vapor. The biodiesel, regenerated by stripping, is then supplied to the first gas scrubbing stage (3) again after cooling. According to the invention, the coke oven gas (COG) cleaned in the first gas scrubbing stage (3) is supplied to another, second gas scrubbing stage (4), to which a more strongly output partial volume of the biodiesel is supplied as washing liquid.

IPC 8 full level

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