

Title (en)

Process for the production of a concentrate of aromatics suitable for use as a blending component for petrol.

Title (de)

Verfahren zur Herstellung eines zur Verwendung als Blendingkomponente für Vergaserkraftstoffe geeigneten Aromatenkonzentrates.

Title (fr)

Procédé de production d'un concentré d'aromatique propre à l'utilisation comme composante de mélange pour essences.

Publication

EP 0305668 A1 19890308 (DE)

Application

EP 88110072 A 19880624

Priority

- DE 3726449 A 19870808
- DE 3612384 A 19860412

Abstract (en)

[origin: US4925535A] The process for production of an aromate concentrate for use as a blending component for gasification fuel includes subjecting another feed hydrocarbon mixture to an extractive distillation using N-substituted morpholines as selective solvent in a extractive distillation column. Low-boiling non-aromates with a boiling range up to about 105 DEG C. practically completely and higher-boiling non-aromates with a boiling range between about 105 DEG and 160 DEG C. to a substantial extent are discharged as a raffinate from the top of the extractive distillation column. The extract bottoms from the extractive distillation are fed to a solvent stripping column where the solvent is at least partially recovered from other hydrocarbons. To eliminate condensation and polymerization products due to components with a boiling point over 170 DEG C. from the feed hydrocarbon mixture which can impair the process, a feed hydrocarbon mixture which contains those high boiling components is predistilled prior to extractive distillation to remove them. The top product from the predistillation column is fed to the extractive distillation column for extractive distillation. The predistillation residue can then be added to other hydrocarbons to form the aromate concentrate.

Abstract (de)

Die Erfindung betrifft eine Ausgestaltung des in der DE-OS 36 12 384 beschriebenen Verfahrens zur Herstellung eines zur Verwendung als Blendingkomponente für Vergaserkraftstoffe geeigneten Aromatenkonzentrates. Hierbei wird das Einsatzkohlenwasserstoffgemisch einer Vordestillation unterworfen, bei der bis 169 °C siedende Bestandteile destillativ abgetrennt und der Extraktivdestillation zugeführt werden, in der die weitere Aufarbeitung gemäß dem Verfahren nach der DE-OS 36 12 384 erfolgt. Der Destillationsrückstand der Vordestillation wird dagegen dem als Blendingkomponente dienenden Aromatenkonzentrat zugesetzt.

IPC 1-7

C10G 7/08

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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US 4925535 A 19900515; AU 2042788 A 19890209; AU 589508 B2 19891012; AU 602997 B2 19901101; AU 7139587 A 19871015; DE 3612384 A1 19871015; DE 3726449 A1 19890216; DK 167362 B1 19931018; DK 179087 A 19871013; DK 179087 D0 19870408; DK 441488 A 19890209; DK 441488 D0 19880805; EP 0241638 A2 19871021; EP 0241638 A3 19880914; EP 0241638 B1 19910102; EP 0305668 A1 19890308; EP 0305668 B1 19910619; ES 2020200 B3 19910801; ES 2023231 B3 19920101; FI 85872 B 19920228; FI 85872 C 19920610; FI 870266 A0 19870121; FI 870266 A 19871013; FI 87657 B 19921030; FI 87657 C 19930210; FI 882636 A0 19880603; FI 882636 A 19890209; GR 3001286 T3 19920826; GR 3002432 T3 19921230; JP 2550060 B2 19961030; JP 2563985 B2 19961218; JP H0247191 A 19900216; JP S62243685 A 19871024; NO 169595 B 19920406; NO 169595 C 19920715; NO 172248 B 19930315; NO 172248 C 19930623; NO 871545 D0 19870413; NO 871545 L 19871013; NO 883356 D0 19880728; NO 883356 L 19890209; SG 20992 G 19920416; SG 90092 G 19921204

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