



A B S T R A C T

HYDROTREATING PROCESS

Process for hydrotreating a hydrocarbon oil employing several reactor vessels, which process comprises:

- (i) further hydrotreating partly hydrotreated hydrocarbon oil of step (iv) in a first reactor vessel in the presence of clean hydrogen containing gas,
- (ii) separating the mixture obtained in step (i) within the first reactor vessel into a hydrotreated hydrocarbon oil and used hydrogen containing gas, which hydrotreated hydrocarbon oil can be recovered as product,
- (iii) hydrotreating fresh hydrocarbon oil in the second reactor vessel in the presence of used hydrogen containing gas obtained in step (ii),
- (iv) separating the effluent of step (iii) into partly hydrotreated hydrocarbon oil and contaminated hydrogen containing gas, and
- (v) transporting partly hydrotreated hydrocarbon oil obtained in step (iv) to step (i).