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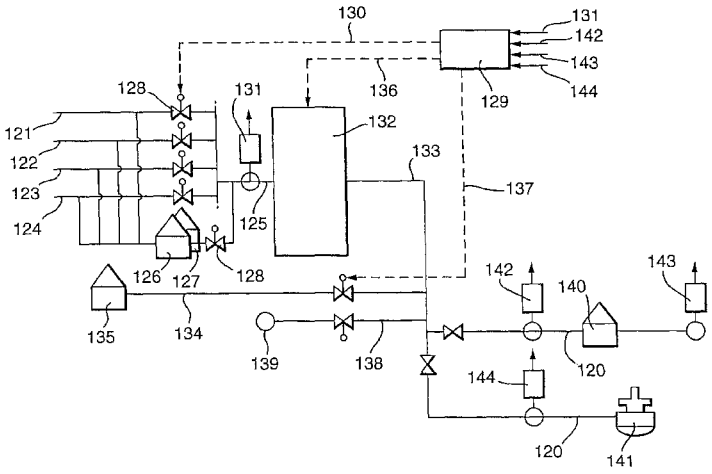
(54) Title: PROCESS TO PREPARE A HYDROCARBON PRODUCT HAVING A SULPHUR CONTENT OF BELOW 0.05 WT %



(57) Abstract: Process to continuously prepare a hydrocarbon product having a specified desired sulphur content lower than 0.05 wt %, starting from at least two or more high-sulphur hydrocarbon feedstocks having a sulphur content of above 0.05 wt %, by (a) blending the two or more of the high-sulphur hydrocarbon feedstocks, to form a blended feed mixture, (b) reducing the sulphur content of the blended feed mixture in a hydrodesulphurisation (HDS) step, (c) obtaining a hydrocarbon fraction, having a reduced sulphur content, comprising the effluent of step (b) and determining the sulphur content of the hydrocarbon fraction, and (d) obtaining the final hydrocarbon product from the direct product of step (c) and adjusting the process to achieve that the sulphur content of the hydrocarbon product is close or equal to the desired sulphur content of the hydrocarbon product, wherein the production of the hydrocarbon product having the desired sulphur content is optimised by integrated control of the blending in step (a) and of the HDS unit operation in step (b), and wherein the sulphur content of the hydrocarbon fraction as determined in step (c) is taken into account.

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