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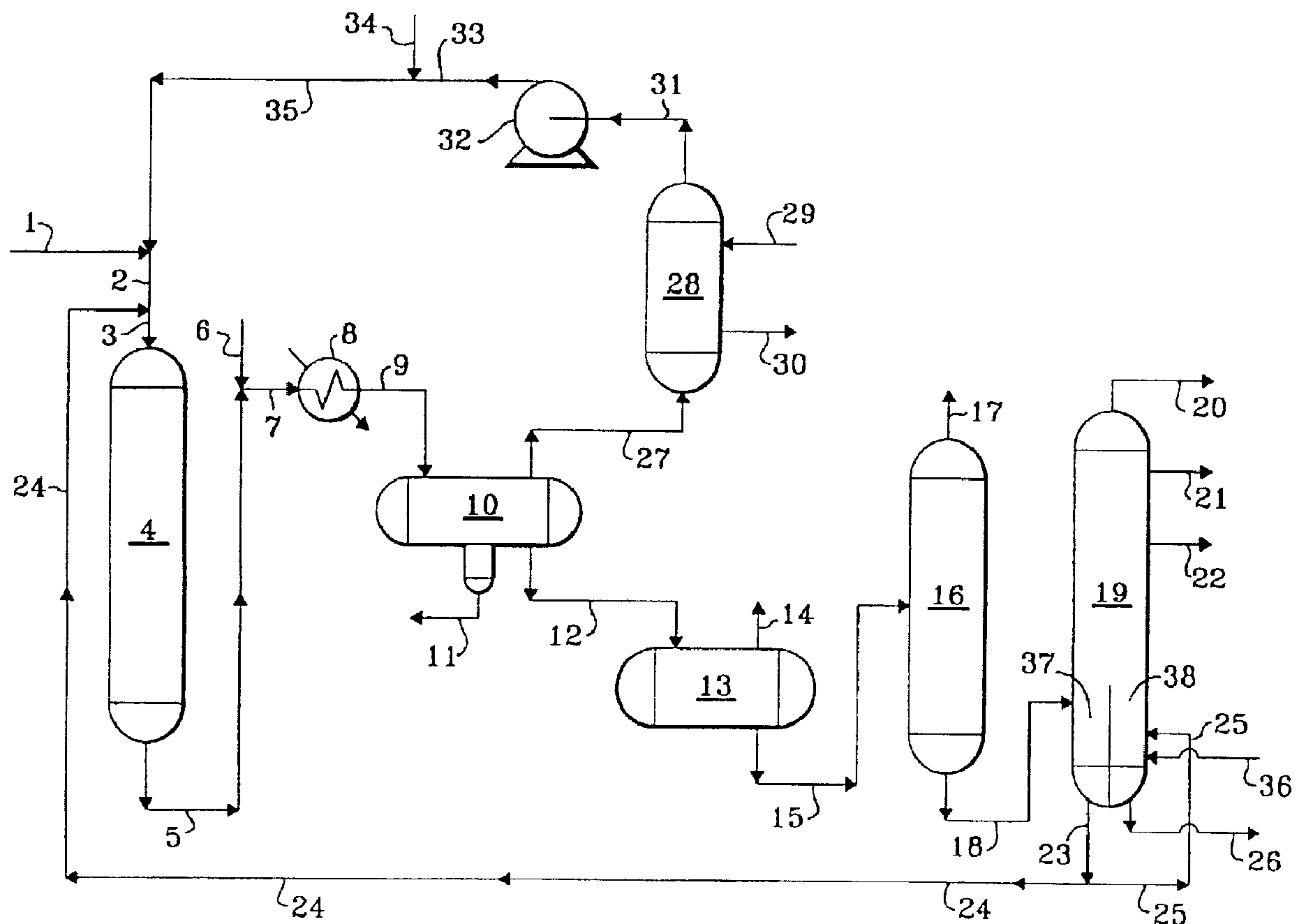
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(54) Titre : PROCEDE D'HYDROCRAQUAGE AMELIORE

(54) Title: IMPROVED HYDROCRACKING PROCESS



(57) Abrégé(suite)/Abstract(continued):

hydrocarbonaceous stream produced from the effluent of the hydrocracking reaction zone is fractionated to produce at least one liquid hydrocarbonaceous product stream and a liquid hydrocarbonaceous stream containing hydrocarbons boiling at a temperature in the boiling range of the feedstock and heavy polynuclear aromatic compounds. At least a portion of the liquid hydrocarbonaceous stream containing heavy polynuclear aromatic compounds is introduced into a zone of the divided-wall fractionation zone to produce a stream rich in polynuclear aromatic compounds. At least another portion of the liquid hydrocarbonaceous stream containing hydrocarbons boiling at a temperature in the boiling range of the feedstock is recycled to the hydrocracking reaction zone.

"IMPROVED HYDROCRACKING PROCESS"

ABSTRACT

A catalytic hydrocracking process wherein a hydrocarbonaceous feedstock and a liquid recycle stream is contacted with hydrogen in a hydrocracking reaction zone at elevated temperature and pressure to obtain conversion to lower boiling hydrocarbons. A liquid hydrocarbonaceous stream produced from the effluent of the hydrocracking reaction zone is fractionated to produce at least one liquid hydrocarbonaceous product stream and a liquid hydrocarbonaceous stream containing hydrocarbons boiling at a temperature in the boiling range of the feedstock and heavy polynuclear aromatic compounds. At least a portion of the liquid hydrocarbonaceous stream containing heavy polynuclear aromatic compounds is introduced into a zone of the divided-wall fractionation zone to produce a stream rich in polynuclear aromatic compounds. At least another portion of the liquid hydrocarbonaceous stream containing hydrocarbons boiling at a temperature in the boiling range of the feedstock is recycled to the hydrocracking reaction zone.

