

Title (en)
PROCESS FOR UPGRADING HEAVY HYDROCARBONACEOUS OILS

Publication
EP 0035864 B1 19850703 (EN)

Application
EP 81300887 A 19810303

Priority
CA 347549 A 19800304

Abstract (en)
[origin: EP0035864A2] The invention relates to a process for the upgrading of heavy, viscous hydrocarbonaceous oils, comprising fractionally distilling said hydrocarbonaceous oil to produce at least one distilled fraction and a residuum without substantially cracking said hydrocarbonaceous oil, contacting said residuum with a liquid hydrogen donor material stream to produce a hydrocracked stream and separating said hydrocracked stream into a gaseous stream and a liquid hydrocracked stream, characterized in that: (a) said liquid hydrocracked stream is fractionally distilled to separate from higher and lower boiling fractions a hydrogen donor precursor stream boiling above a temperature from substantially 180 DEG C to substantially 200 DEG C and below a temperature from substantially 330 DEG C to substantially 350 DEG C, (b) at least part of said hydrogenated hydrogen donor material is recycled as the material which constitutes the entire liquid hydrogen donor material stream to contact said residuum.

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