

Title (en)
HIGH PRESSURE HOT SEPARATOR

Publication
EP 0451343 B1 19930310 (DE)

Application
EP 90122735 A 19901128

Priority
DE 4007543 A 19900309

Abstract (en)
[origin: US5084079A] A high-pressure hot separator for the separation of an overhead product from a process of high-pressure hydrogenation of coals, tars, crude oils, whose distillation and extraction products or similar carbon-containing feedstock such as heavy oils, low-temperature carbonization oils, extracts of heavy oil sands and the like, is downstream from the bottom phase reactors of the high-pressure hydrogenation. The separator is constructed from a vertically erected cylindrical pressure jacket having an upper cover, a lower cover, an inside adjacent thermal insulation member and a cylindrical wall insert. The overhead product is separated into a gas/vapor phase and a bottom product. A cyclone separator is installed in the gas/vapor space of the hot separator for improvement of the separation function.

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C10G 1/00

IPC 8 full level
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