

Title (en)
Catalytic cracking process.

Title (de)
Katalytisches Krackverfahren.

Title (fr)
Procédé de craquage catalytique.

Publication
EP 0655492 A2 19950531 (EN)

Application
EP 94308703 A 19941124

Priority
• US 15902893 A 19931129
• US 23155994 A 19940422

Abstract (en)
A hydrocarbon stream is cracked in Plant A to produce a hot gaseous stream which is separated in a fractionator B. A gaseous stream containing hydrogen and C1-C4 hydrocarbons is taken from the fractionator B, is raised in pressure in compressor C and is cooled in a heat exchanger D. The cooled gaseous stream is separated in a demethaniser E, and an off-gas comprising hydrogen and C1 to C3 hydrocarbons is withdrawn from the demethaniser E. The off-gas is subjected to separation by pressure swing adsorption or temperature swing adsorption at an adsorption temperature of about 0 to about 250 DEG C in a bed of adsorbent which selectively adsorbs ethylene and propylene, thereby adsorbing substantially all of the ethylene and propylene from the gas stream. The ethylene and/or propylene is recovered upon bed regeneration. <IMAGE>

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IPC 8 full level
B01D 53/72 (2006.01); **B01D 53/04** (2006.01); **C07C 7/13** (2006.01); **C07C 11/04** (2006.01); **C07C 11/06** (2006.01); **C10G 5/02** (2006.01); **C10G 70/04** (2006.01)

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EP 0655492 A2 19950531; EP 0655492 A3 19951018; EP 0655492 B1 19990602; AU 696774 B2 19980917; AU 7897294 A 19950615; CA 2134821 A1 19950530; CA 2134821 C 20000516; CN 1039428 C 19980805; CN 1106055 A 19950802; DE 69418830 D1 19990708; JP 3566766 B2 20040915; JP H07207280 A 19950808; NO 309487 B1 20010205; NO 944098 D0 19941027; NO 944098 L 19950530; NZ 264809 A 19961028; PL 178744 B1 20000630; PL 306025 A1 19950612; RU 2100336 C1 19971227; RU 94041683 A 19961010; TR 28172 A 19960301

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