

Title (en)  
LIQUID PHASE SELECTIVE HYDROGENATION OF A NORMALLY GASEOUS FEEDSTOCK CONTAINING ETHYLENE, ACETYLENE AND NAPHTHA

Publication  
**EP 0334742 B1 19921021 (FR)**

Application  
**EP 89400781 A 19890320**

Priority  
FR 8803909 A 19880323

Abstract (en)  
[origin: EP0334742A1] Process for selective hydrogenation in a liquid phase of an effluent originating from an ethane steam cracker, in which the said effluent is brought into contact with a catalyst consisting of at least supported palladium, characterised in that the operation is carried out in the presence of a liquid phase containing at least a proportion of the hydrogenated, condensed and recycled petrol cut of the said effluent. <??>The said effluent (1), the said liquid phase (8) and optionally hydrogen (13) pass through the hydrogenation reactor (4). The product obtained is fractionated (5) into a head gas cut (7) containing ethylene and a bottom liquid petrol cut which is partially recycled (8). <??>The process can be employed for the production of ethylene and for the production of petrol. <IMAGE>

IPC 1-7  
**C10G 45/34**

IPC 8 full level  
**C10G 45/32** (2006.01); **C07C 7/167** (2006.01); **C07C 9/04** (2006.01); **C07C 11/04** (2006.01); **C10G 45/34** (2006.01); **C10G 45/40** (2006.01)

CPC (source: EP US)  
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Cited by  
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