

Title (en)  
PROCESS FOR COAL HYDROGENATION INCORPORATING A REFINING STEP

Publication  
**EP 0132526 A3 19860604 (DE)**

Application  
**EP 84105406 A 19840512**

Priority  
DE 3322730 A 19830624

Abstract (en)  
[origin: US4602992A] In accordance with the invention, during hydrogenation by means of sump phase hydrogenation followed by gas-phase hydrogenation, the high boiling fractions are separated from the lower boiling vapor fractions, after leaving the hot precipitation head, by partial condensation in an intermediate precipitator with the result that the gas-phase reactor has a better service life and optimum reaction conditions can be provided. The improved process results in an improved quality of solvent for the sump phase hydrogenation.

IPC 1-7  
**C10G 1/06**

IPC 8 full level  
**C10G 1/06** (2006.01); **C10G 1/00** (2006.01)

CPC (source: EP US)  
**C10G 1/002** (2013.01 - EP US)

Citation (search report)  
[X] DE 3209143 A1 19830922 - VEBA OEL ENTWICKLUNGS GMBH [DE]

Cited by  
DE3519830A1

Designated contracting state (EPC)  
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**EP 0132526 A2 19850213; EP 0132526 A3 19860604; EP 0132526 B1 19880720**; AU 2970284 A 19850131; AU 557956 B2 19870115; BR 8403055 A 19850528; CA 1231658 A 19880119; DE 3322730 A1 19850110; DE 3472800 D1 19880825; JP S6013885 A 19850124; PL 248358 A1 19850424; SU 1240364 A3 19860623; US 4602992 A 19860729; ZA 844753 B 19850529

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**EP 84105406 A 19840512**; AU 2970284 A 19840621; BR 8403055 A 19840622; CA 457181 A 19840622; DE 3322730 A 19830624; DE 3472800 T 19840512; JP 12769484 A 19840622; PL 24835884 A 19840622; SU 3752784 A 19840622; US 77875985 A 19850920; ZA 844753 A 19840622