

Title (en)  
Hydroconversion process.

Title (de)  
Hydroumwandlungsverfahren.

Title (fr)  
Procédé d'hydroconversion.

Publication  
**EP 0512778 A1 19921111 (EN)**

Application  
**EP 92304001 A 19920501**

Priority  
US 69459191 A 19910502

Abstract (en)  
A heavy hydrocarbon is hydrotreated in the presence of a supported heterogeneous catalyst bearing IV-B, V-B, VI-B, VII-B, or VIII metal and (ii) a miscible/soluble IV-B, V-B, VI-B, VII-B, or VIII metal salt catalyst.

IPC 1-7  
**C10G 47/02**

IPC 8 full level  
**B01J 23/28** (2006.01); **B01J 31/20** (2006.01); **C07B 61/00** (2006.01); **C10G 45/04** (2006.01); **C10G 47/02** (2006.01); **C10G 49/02** (2006.01)

CPC (source: EP)  
**C10G 47/02** (2013.01)

Citation (search report)  
• [A] DE 3237037 A1 19830428 - CHEVRON RES [US]  
• [A] EP 0064429 B1 19850619

Cited by  
EP0546686A1; EP0559399A1; EP1795577A4; EP0577413A1; US2016017240A1; US10584288B2; WO2017212168A1; US7651605B2; US10279335B2; WO2019115919A1; US10589254B2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 92304001 A 19920501**; CA 2067878 A 19920501; DE 69206314 T 19920501; JP 13962592 A 19920506; MX 9202076 A 19920504