

Title (en)

Process for the catalytic removal of metal compounds from heavy oils

Title (de)

Verfahren zum katalytischem Entfernen von Metallverbindungen aus Schwerölen

Title (fr)

Procédé d'élimination de composés métalliques à partir d'huiles lourdes

Publication

EP 0978552 B1 20040901 (DE)

Application

EP 99114579 A 19990724

Priority

DE 19835479 A 19980806

Abstract (en)

[origin: EP0978552A2] Metal compounds are removed from heavy oils using a catalyst containing a group IVB metal and a group IA metal at temperatures of 300-550oC and at a pressure of 100-300 atm.

IPC 1-7

C10G 29/06; **C10G 45/26**

IPC 8 full level

C10G 29/06 (2006.01); **C10G 45/26** (2006.01)

CPC (source: EP US)

C10G 29/06 (2013.01 - EP US); **C10G 45/26** (2013.01 - EP US)

Cited by

WO2009073442A3; US9295957B2; US9656230B2; US10010839B2

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EP 0978552 A2 20000209; **EP 0978552 A3 20000405**; **EP 0978552 B1 20040901**; DE 19835479 A1 20000210; DE 19835479 B4 20070606; DE 59910380 D1 20041007; US 6325921 B1 20011204

DOCDB simple family (application)

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