

Title (en)  
PRODUCTION OF LOW SULFUR DISTILLATES

Title (de)  
HERSTELLUNG VON DESTILLATEN MIT NIEDRIGEM SCHWEFELGEHALT

Title (fr)  
PRODUCTION DE DISTILLATS A FAIBLE TENEUR EN SOUFRE

Publication  
**EP 1334166 A4 20041020 (EN)**

Application  
**EP 01925059 A 20010417**

Priority  
• US 0112516 W 20010417  
• US 55310700 A 20000420

Abstract (en)  
[origin: WO0181506A1] A process for hydroprocessing a distillate stream to produce a stream exceptionally low in sulfur, with total aromatics and polynuclear aromatics being moderately reduced. A distillate stream is hydrodesulfurized in a first hydrodesulfurization stage. The product stream thereof is passed to a first separation stage wherein a vapor phase product stream and a liquid product stream are produced. The liquid phase product stream is passed to a second hydrodesulfurization stage and the product stream thereof is passed to a second separation stage wherein a vapor phase product stream and a liquid product stream low in sulfur are produced. At least a portion of the vapor product stream from said second separation stage can be cascaded to the first hydrodesulfurization stage.

IPC 1-7  
**C10G 65/04**; **C10G 65/08**; **C10L 1/08**

IPC 8 full level  
**C10G 45/08** (2006.01); **C10G 45/10** (2006.01); **C10G 65/04** (2006.01)

CPC (source: EP)  
**C10G 65/04** (2013.01)

Citation (search report)  
• [X] US 5292428 A 19940308 - HARRISON GEORGE E [GB], et al  
• [X] US 5114562 A 19920519 - HAUN EDWARD C [US], et al  
• [X] EP 0902078 A2 19990317 - JGC CORP [JP]  
• [X] EP 0727474 A2 19960821 - NIPPON OIL CO LTD [JP]  
• [PX] WO 0034416 A1 20000615 - EXXON RESEARCH ENGINEERING CO [US]  
• [E] US 6231753 B1 20010515 - MCKNIGHT CRAIG A [CA], et al  
• See references of WO 0181506A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0181506 A1 20011101**; AU 2001251657 B2 20060518; AU 5165701 A 20011107; CA 2405019 A1 20011101; CA 2405019 C 20100622; EP 1334166 A1 20030813; EP 1334166 A4 20041020; EP 1334166 B1 20171129; JP 2003531274 A 20031021; JP 5469791 B2 20140416; NO 20025020 D0 20021018; NO 20025020 L 20021219

DOCDB simple family (application)  
**US 0112516 W 20010417**; AU 2001251657 A 20010417; AU 5165701 A 20010417; CA 2405019 A 20010417; EP 01925059 A 20010417; JP 2001578580 A 20010417; NO 20025020 A 20021018