

Title (en)  
SYSTEMS AND METHODS OF PRODUCING A CRUDE PRODUCT

Title (de)  
SYSTEME UND VERFAHREN ZUR HERSTELLUNG EINES ROHPRODUKTS

Title (fr)  
SYSTEMES ET PROCEDE DE PRODUCTION D'UN PRODUIT DE PETROLE BRUT

Publication  
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Application  
**EP 04814520 A 20041216**

Priority

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Abstract (en)  
[origin: WO2005066302A2] Contact of a crude feed with one or more catalysts produces a total product that includes a crude product. The crude feed has a residue content of at least 0.2 grams of residue per gram of crude feed. The crude product is a liquid mixture at 25°C and 0.101 MPa. One or more properties of the crude product may be changed by at least 10% relative to the respective properties of the crude feed. In some embodiments, gas is produced during contact with one or more catalysts and the crude feed.

IPC 8 full level  
**C10G 47/02** (2006.01); **C10J 3/00** (2006.01); **B01J 23/78** (2006.01); **B01J 27/04** (2006.01); **B01J 27/043** (2006.01); **C10G 45/00** (2006.01); **C10G 45/04** (2006.01); **C10G 47/12** (2006.01); **C10G 49/02** (2006.01); **C10G 65/00** (2006.01); **C10L 1/04** (2006.01)

CPC (source: EP KR)  
**B01J 23/78** (2013.01 - EP); **B01J 27/04** (2013.01 - EP); **B01J 27/043** (2013.01 - EP); **C10G 45/00** (2013.01 - EP KR); **C10G 45/04** (2013.01 - EP); **C10G 47/02** (2013.01 - EP); **C10G 49/02** (2013.01 - EP); **C10G 65/00** (2013.01 - EP KR); **C10L 1/04** (2013.01 - KR); **C10G 2300/107** (2013.01 - EP); **C10G 2300/1074** (2013.01 - EP); **C10G 2300/1096** (2013.01 - EP); **C10G 2300/301** (2013.01 - EP); **C10G 2300/305** (2013.01 - EP)

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Cited by  
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**US 2004042120 W 20041216;** AU 2004303865 A 20041216; AU 2004308916 A 20041216; AU 2004309348 A 20041216;  
AU 2004309352 A 20041216; AU 2004312366 A 20041216; AU 2004312368 A 20041216; AU 2004312372 A 20041216;  
BR PI0405536 A 20041215; BR PI0405563 A 20041215; BR PI0405569 A 20041215; BR PI0405574 A 20041215; BR PI0405575 A 20041215;  
BR PI0405580 A 20041215; BR PI0405581 A 20041215; BR PI0405583 A 20041215; BR PI0405585 A 20041215; BR PI0405721 A 20041215;  
BR PI0405723 A 20041215; BR PI0405724 A 20041215; BR PI0405935 A 20041215; CA 2548838 A 20041216; CA 2549405 A 20041216;  
CA 2549418 A 20041216; CA 2549584 A 20041216; CA 2549880 A 20041216; CA 2550244 A 20041216; CA 2550255 A 20041216;  
CA 2550437 A 20041216; CA 2551092 A 20041216; CA 2551164 A 20041216; CA 2559798 A 20041216; CA 2559839 A 20041216;  
CA 2567554 A 20041216; EA 200601183 A 20041216; EA 200601184 A 20041216; EA 200601185 A 20041216; EA 200601186 A 20041216;  
EP 04814319 A 20041216; EP 04814321 A 20041216; EP 04814322 A 20041216; EP 04814325 A 20041216; EP 04814326 A 20041216;  
EP 04814333 A 20041216; EP 04814406 A 20041216; EP 04814410 A 20041216; EP 04814520 A 20041216; EP 04814781 A 20041216;  
EP 04814789 A 20041216; EP 04814793 A 20041216; EP 04814795 A 20041216; JP 2006545380 A 20041216; JP 2006545382 A 20041216;  
JP 2006545383 A 20041216; JP 2006545385 A 20041216; JP 2006545386 A 20041216; JP 2006545388 A 20041216;  
JP 2006545416 A 20041216; JP 2006545418 A 20041216; JP 2006545456 A 20041216; JP 2006545519 A 20041216;  
JP 2006545523 A 20041216; JP 2006545525 A 20041216; JP 2006545527 A 20041216; KR 20067014546 A 20060719;  
KR 20067014547 A 20060719; KR 20067014550 A 20060719; KR 20067014551 A 20060719; KR 20067014553 A 20060719;  
KR 20067014554 A 20060719; KR 20067014559 A 20060719; MX PA06006741 A 20041216; MX PA06006742 A 20041216;  
MX PA06006743 A 20041216; MX PA06006790 A 20041216; MX PA06006791 A 20041216; MX PA06006793 A 20041216;  
MX PA06006796 A 20041216; MX PA06006797 A 20041216; MX PA06006804 A 20041216; MX PA06006900 A 20041216;  
NL 1027773 A 20041215; NL 1027774 A 20041215; NL 1027775 A 20041215; NL 1027776 A 20041215; NL 1027777 A 20041215;  
NL 1027778 A 20041215; NL 1027779 A 20041215; NL 1027780 A 20041215; NL 1027781 A 20041215; NL 1027782 A 20041215;  
NL 1027783 A 20041215; NL 1027784 A 20041215; RU 2006126084 A 20041216; RU 2006126085 A 20041216; RU 2006126086 A 20041216;  
RU 2006126088 A 20041216; RU 2006126089 A 20041216; RU 2006126091 A 20041216; SG 2008094641 A 20041216;  
SG 2008095044 A 20041216; TW 93139068 A 20041216; TW 93139069 A 20041216; TW 93139070 A 20041216; TW 93139071 A 20041216;  
TW 93139072 A 20041216; TW 93139073 A 20041216; TW 93139074 A 20041216; US 2004042122 W 20041216; US 2004042123 W 20041216;  
US 2004042126 W 20041216; US 2004042127 W 20041216; US 2004042136 W 20041216; US 2004042218 W 20041216;  
US 2004042222 W 20041216; US 2004042344 W 20041216; US 2004042638 W 20041216; US 2004042648 W 20041216;  
US 2004042652 W 20041216; US 2004042654 W 20041216