

Title (en)

SYSTEMS, METHODS, AND CATALYSTS FOR PRODUCING A CRUDE PRODUCT

Title (de)

SYSTEME, VERFAHREN UND KATALYSATOREN ZUR HERSTELLUNG EINES ROHPRODUKTS

Title (fr)

SYSTEMES, PROCEDES, ET CATALYSEURS POUR LA PRODUCTION D'UN PRODUIT BRUT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005066301A2] Contact of a crude feed with one or more catalysts produces a total product that include a crude product. The crude product is a liquid mixture at 25 °C and 0.101 MPa. One or more other properties of the crude product may be changed by at least 10% relative to the respective properties of the crude feed.

IPC 8 full level

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CPC (source: EP KR)

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AU 2004303873 A1 20050707; AU 2004303874 A1 20050707; AU 2004303874 B2 20090312; AU 2004309330 A1 20050714;
AU 2004309330 B2 20090507; AU 2004309330 C1 20091022; AU 2004309334 A1 20050714; AU 2004309335 A1 20050714;
AU 2004309335 B2 20080710; AU 2004309349 A1 20050714; AU 2004309349 B2 20090226; AU 2004309354 A1 20050714;
AU 2004309354 B2 20090122; AU 2004311743 A1 20050721; AU 2004311743 B2 20081016; AU 2004312365 A1 20050721;
AU 2004312367 A1 20050721; AU 2004312379 A1 20050721; AU 2004312380 A1 20050721; AU 2009202290 A1 20090702;
AU 2009202290 B2 20110512; BR PI0405535 A 20050830; BR PI0405535 B1 20140916; BR PI0405537 A 20050830;
BR PI0405537 B1 20140722; BR PI0405564 A 20050830; BR PI0405564 B1 20140311; BR PI0405565 A 20050830; BR PI0405566 A 20050920;
BR PI0405567 A 20050830; BR PI0405567 B1 20140805; BR PI0405568 A 20050830; BR PI0405568 B1 20140826; BR PI0405570 A 20050830;
BR PI0405570 B1 20140812; BR PI0405571 A 20050830; BR PI0405572 A 20050830; BR PI0405576 A 20051004; BR PI0405577 A 20051004;
BR PI0405577 B1 20140812; BR PI0405578 A 20051004; BR PI0405578 B1 20140819; BR PI0405579 A 20051004; BR PI0405582 A 20051004;
BR PI0405582 B1 20140902; BR PI0405584 A 20051004; BR PI0405586 A 20051004; BR PI0405587 A 20051004; BR PI0405588 A 20051004;
BR PI0405589 A 20051004; BR PI0405589 B1 20140902; BR PI0405720 A 20051004; BR PI0405720 B1 20140304; BR PI0405722 A 20051004;
BR PI0405738 A 20050830; BR PI0405738 B1 20140923; BR PI0405739 A 20050830; BR PI0405739 B1 20140617; BR PI0405795 A 20051004;
BR PI0405843 A 20051004; BR PI0405843 B1 20140909; CA 2547360 A1 20050714; CA 2548914 A1 20050714; CA 2548914 C 20130514;
CA 2549088 A1 20050714; CA 2549088 C 20130604; CA 2549246 A1 20050707; CA 2549251 A1 20050707; CA 2549251 C 20140211;
CA 2549255 A1 20050721; CA 2549255 C 20131119; CA 2549258 A1 20050721; CA 2549258 C 20130312; CA 2549410 A1 20050721;
CA 2549410 C 20130423; CA 2549411 A1 20050721; CA 2549427 A1 20050707; CA 2549427 C 20130924; CA 2549430 A1 20050721;
CA 2549430 C 20130702; CA 2549535 A1 20050707; CA 2549535 C 20130312; CA 2549566 A1 20050714; CA 2549566 C 20131112;
CA 2549873 A1 20050721; CA 2549873 C 20140218; CA 2549875 A1 20050714; CA 2549875 C 20131119; CA 2549886 A1 20050714;
CA 2549886 C 20150317; CA 2549887 A1 20050707; CA 2551091 A1 20050714; CA 2551091 C 20140513; CA 2551096 A1 20050714;
CA 2551096 C 20130312; CA 2551098 A1 20050714; CA 2551101 A1 20050714; CA 2551101 C 20130312; CA 2551105 A1 20050714;
CA 2551105 C 20130723; CA 2552461 A1 20050714; CA 2552461 C 20131112; CA 2552466 A1 20050714; CA 2552466 C 20130312;
CA 2562759 A1 20050721; CA 2652088 A1 20050714; CA 2652088 C 20141118; EP 1702022 A2 20060920; EP 1702030 A2 20060920;
EP 1702031 A2 20060920; EP 1702032 A2 20060920; EP 1702033 A2 20060920; EP 1702034 A2 20060920; EP 1702035 A2 20060920;
EP 1702036 A2 20060920; EP 1702037 A2 20060920; EP 1702039 A2 20060920; EP 1702040 A2 20060920; EP 1702042 A2 20060920;
EP 1702043 A2 20060920; EP 1702044 A2 20060920; EP 1702047 A2 20060920; EP 1702055 A2 20060920; EP 1704204 A2 20060927;
EP 1704205 A2 20060927; EP 1704206 A2 20060927; EP 1704208 A2 20060927; EP 1704211 A2 20060927; EP 1709141 A2 20061011;
EP 1711582 A2 20061018; EP 1711583 A2 20061018; EP 1713886 A2 20061025; EP 1713887 A2 20061025; JP 2007514539 A 20070607;
JP 2007514820 A 20070607; JP 2007514821 A 20070607; JP 2007514824 A 20070607; JP 2007514826 A 20070607;
JP 2007514827 A 20070607; JP 2007514830 A 20070607; JP 2007514831 A 20070607; JP 2007514835 A 20070607;
JP 2007514836 A 20070607; JP 2007514837 A 20070607; JP 2007514838 A 20070607; JP 2007514840 A 20070607;
JP 2007514841 A 20070607; JP 2007514842 A 20070607; JP 2007514843 A 20070607; JP 2007514845 A 20070607;
JP 2007514847 A 20070607; JP 2007514849 A 20070607; JP 2007514850 A 20070607; JP 2007515523 A 20070614;
JP 2007517931 A 20070705; JP 2007518847 A 20070712; JP 2007518848 A 20070712; JP 2007521386 A 20070802;
JP 2007522269 A 20070809; JP 4891090 B2 20120307; JP 5107580 B2 20121226; JP 5179059 B2 20130410; JP 5306598 B2 20131002;
KR 101229770 B1 20130207; KR 20060130110 A 20061218; KR 20060130113 A 20061218; KR 20060130114 A 20061218;
KR 20060130117 A 20061218; KR 20060130118 A 20061218; KR 20060130119 A 20061218; KR 20070032625 A 20070322;
MX PA06006788 A 20060823; MX PA06006794 A 20060823; MX PA06006795 A 20060823; MX PA06006806 A 20060823;
NL 1027750 A1 20050622; NL 1027750 C2 20060713; NL 1027751 A1 20050622; NL 1027751 C2 20060713; NL 1027752 A1 20050622;
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NL 1027767 C2 20060920; NL 1027768 A1 20050622; NL 1027768 C2 20060713; NL 1027769 A1 20050622; NL 1027769 C2 20060713; NL 1027770 A1 20050622; NL 1027770 C2 20060713; NL 1027771 A1 20050622; NL 1027771 C2 20060713; NL 1027772 A1 20050622; NL 1027772 C2 20060829; SG 138599 A1 20080128; SG 149049 A1 20090129; SG 149055 A1 20090129; TW 200530386 A 20050916; TW 200530387 A 20050916; TW 200530388 A 20050916; TW 200532010 A 20051001; TW 200533737 A 20051016; TW 200535221 A 20051101; TW 200535222 A 20051101; TW 200535223 A 20051101; TW 200602481 A 20060116; TW I440707 B 20140611; TW I452127 B 20140911; WO 2005061666 A2 20050707; WO 2005061666 A3 20051110; WO 2005061667 A2 20050707; WO 2005061667 A3 20051027; WO 2005061668 A2 20050707; WO 2005061668 A3 20051110; WO 2005061669 A2 20050707; WO 2005061669 A3 20060105; WO 2005061670 A2 20050707; WO 2005061670 A3 20060323; WO 2005061678 A2 20050707; WO 2005061678 A3 20051110; WO 2005063924 A2 20050714; WO 2005063924 A3 20051110; WO 2005063925 A2 20050714; WO 2005063925 A3 20060202; WO 2005063926 A2 20050714; WO 2005063926 A3 20060105; WO 2005063927 A2 20050714; WO 2005063927 A3 20060330; WO 2005063929 A2 20050714; WO 2005063929 A3 20060427; WO 2005063930 A2 20050714; WO 2005063930 A3 20051229; WO 2005063931 A2 20050714; WO 2005063931 A3 20051222; WO 2005063933 A2 20050714; WO 2005063933 A3 20051229; WO 2005063934 A2 20050714; WO 2005063934 A3 20051020; WO 2005063935 A2 20050714; WO 2005063935 A3 20060323; WO 2005063937 A2 20050714; WO 2005063937 A3 20051229; WO 2005063938 A2 20050714; WO 2005063938 A3 20051215; WO 2005063939 A2 20050714; WO 2005063939 A3 20060309; WO 2005065189 A2 20050721; WO 2005065189 A3 20051013; WO 2005066303 A2 20050721; WO 2005066303 A3 20051013; WO 2005066306 A2 20050721; WO 2005066306 A3 20051208; WO 2005066307 A2 20050721; WO 2005066307 A3 20051229; WO 2005066310 A2 20050721; WO 2005066310 A3 20050922; WO 2005066311 A2 20050721; WO 2005066311 A3 20051110

DOCDB simple family (application)

US 2004042088 W 20041216; AU 2004303869 A 20041216; AU 2004303870 A 20041216; AU 2004303873 A 20041216; AU 2004303874 A 20041216; AU 2004309330 A 20041216; AU 2004309334 A 20041216; AU 2004309335 A 20041216; AU 2004309349 A 20041216; AU 2004309354 A 20041216; AU 2004311743 A 20041216; AU 2004312365 A 20041216; AU 2004312367 A 20041216; AU 2004312379 A 20041216; AU 2004312380 A 20041216; AU 2009202290 A 20090609; BR PI0405535 A 20041215; BR PI0405537 A 20041215; BR PI0405564 A 20041215; BR PI0405565 A 20041215; BR PI0405566 A 20041215; BR PI0405567 A 20041215; BR PI0405568 A 20041215; BR PI0405570 A 20041215; BR PI0405571 A 20041215; BR PI0405572 A 20041215; BR PI0405576 A 20041215; BR PI0405577 A 20041215; BR PI0405578 A 20041215; BR PI0405579 A 20041215; BR PI0405582 A 20041215; BR PI0405584 A 20041215; BR PI0405586 A 20041215; BR PI0405587 A 20041215; BR PI0405588 A 20041215; BR PI0405589 A 20041215; BR PI0405720 A 20041215; BR PI0405722 A 20041215; BR PI0405738 A 20041215; BR PI0405739 A 20041215; BR PI0405795 A 20041215; BR PI0405843 A 20041215; CA 2547360 A 20041216; CA 2548914 A 20041216; CA 2549088 A 20041216; CA 2549246 A 20041216; CA 2549251 A 20041216; CA 2549255 A 20041216; CA 2549258 A 20041216; CA 2549410 A 20041216; CA 2549411 A 20041216; CA 2549427 A 20041216; CA 2549430 A 20041216; CA 2549535 A 20041216; CA 2549566 A 20041216; CA 2549873 A 20041216; CA 2549875 A 20041216; CA 2549886 A 20041216; CA 2549887 A 20041216; CA 2551091 A 20041216; CA 2551096 A 20041216; CA 2551098 A 20041216; CA 2551101 A 20041216; CA 2551105 A 20041216; CA 2552461 A 20041216; CA 2552466 A 20041216; CA 2562759 A 20041216; CA 2652088 A 20041216; EP 04814292 A 20041216; EP 04814320 A 20041216; EP 04814324 A 20041216; EP 04814334 A 20041216; EP 04814336 A 20041216; EP 04814412 A 20041216; EP 04814413 A 20041216; EP 04814428 A 20041216; EP 04814488 A 20041216; EP 04814508 A 20041216; EP 04814509 A 20041216; EP 04814514 A 20041216; EP 04814519 A 20041216; EP 04814562 A 20041216; EP 04814585 A 20041216; EP 04814586 A 20041216; EP 04814588 A 20041216; EP 04814589 A 20041216; EP 04814591 A 20041216; EP 04814783 A 20041216; EP 04814792 A 20041216; EP 04814794 A 20041216; EP 04814796 A 20041216; EP 04814797 A 20041216; EP 04817041 A 20041216; EP 04820781 A 20041216; JP 2006545369 A 20041216; JP 2006545381 A 20041216; JP 2006545384 A 20041216; JP 2006545389 A 20041216; JP 2006545390 A 20041216; JP 2006545420 A 20041216; JP 2006545421 A 20041216; JP 2006545425 A 20041216; JP 2006545444 A 20041216; JP 2006545445 A 20041216; JP 2006545449 A 20041216; JP 2006545450 A 20041216; JP 2006545453 A 20041216; JP 2006545455 A 20041216; JP 2006545464 A 20041216; JP 2006545470 A 20041216; JP 2006545471 A 20041216; JP 2006545472 A 20041216; JP 2006545473 A 20041216; JP 2006545474 A 20041216; JP 2006545520 A 20041216; JP 2006545522 A 20041216; JP 2006545524 A 20041216; JP 2006545526 A 20041216; JP 2006545528 A 20041216; JP 2006545529 A 20041216; KR 20067014545 A 20060719; KR 20067014548 A 20060719; KR 20067014549 A 20060719; KR 20067014555 A 20041216; KR 20067014556 A 20060719; KR 20067014558 A 20060719; KR 20067014561 A 20060719; MX PA06006788 A 20041216; MX PA06006794 A 20041216; MX PA06006795 A 20041216; MX PA06006806 A 20041216; NL 1027750 A 20041215; NL 1027751 A 20041215; NL 1027752 A 20041215; NL 1027753 A 20041215; NL 1027754 A 20041215; NL 1027755 A 20041215; NL 1027756 A 20041215; NL 1027757 A 20041215; NL 1027758 A 20041215; NL 1027759 A 20041215; NL 1027760 A 20041215; NL 1027761 A 20041215; NL 1027762 A 20041215; NL 1027763 A 20041215; NL 1027764 A 20041215; NL 1027765 A 20041215; NL 1027766 A 20041215; NL 1027767 A 20041215; NL 1027768 A 20041215; NL 1027769 A 20041215; NL 1027770 A 20041215; NL 1027771 A 20041215; NL 1027772 A 20041215; SG 2007178478 A 20041216; SG 2008094674 A 20041216; SG 2008095036 A 20041216; TW 93139049 A 20041216; TW 93139051 A 20041216; TW 93139053 A 20041216; TW 93139054 A 20041216; TW 93139055 A 20041216; TW 93139056 A 20041216; TW 93139059 A 20041216; TW 93139061 A 20041216; TW 93139062 A 20041216; TW 93139063 A 20041216; TW 93139064 A 20041216; TW 93139065 A 20041216; TW 93139066 A 20041216; TW 93139067 A 20041216; US 2004042121 W 20041216; US 2004042125 W 20041216; US 2004042137 W 20041216; US 2004042139 W 20041216; US 2004042224 W 20041216; US 2004042225 W 20041216; US 2004042241 W 20041216; US 2004042309 W 20041216; US 2004042310 W 20041216; US 2004042332 W 20041216; US 2004042333 W 20041216; US 2004042338 W 20041216; US 2004042343 W 20041216; US 2004042399 W 20041216; US 2004042426 W 20041216; US 2004042427 W 20041216; US 2004042429 W 20041216; US 2004042430 W 20041216; US 2004042432 W 20041216; US 2004042640 W 20041216; US 2004042647 W 20041216; US 2004042651 W 20041216; US 2004042653 W 20041216; US 2004042655 W 20041216; US 2004042656 W 20041216