

Title (en)

METHOD FOR MAKING A CHLORHYDRINE BY REACTION BETWEEN A POLYHYDROXYLATED ALIPHATIC HYDROCARBON AND A CHLORINATING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES CHLORHYDRINS DURCH UMSETZUNG EINES POLYHYDROXYLIERTEN ALIPHATISCHEN KOHLENWASSERSTOFFS MIT EINEM CHLORIERUNGSMITTEL

Title (fr)

PROCEDE DE FABRICATION D'UNE CHLORHYDRINE PAR REACTION ENTRE UN HYDROCARBURE ALIPHATIQUE POLY HYDROXYLE ET UN AGENT DE CHLORATION

Publication

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Application

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Abstract (en)

[origin: WO2006100311A2] The invention concerns a method for making an epoxide wherein halogenated ketones are formed as by-products and comprising at least one treatment designed to eliminate at least part of the halogenated ketones formed.

[origin: WO2006100311A2] Manufacturing epoxide involving halo ketone formation as a by-product, comprises eliminating at least a part of the formed halo ketone. Independent claims are also included for: (1) a device to manufacture an epoxide comprising a reactor for hypochlorinating an olefin in the reaction medium containing a chlorhydrin, a chlorination reactor of a polyhydroxylated aliphatic hydrocarbon in the reaction medium containing the chlorhydrin, and a dehydrochlorination reactor supplied with the reaction medium obtained from other reactors; (2) an azeotropic composition comprising water and chloroacetone; and (3) an epoxide containing halo ketone, present at =0.01 wt. %.

IPC 8 full level

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MY 148295 A 20130329; MY 148345 A 20130329; MY 148378 A 20130415; MY 158842 A 20161115; TW 200642999 A 20061216;
TW 200700359 A 20070101; TW 200700360 A 20070101; TW 200700361 A 20070101; TW 200700362 A 20070101;
TW 200700363 A 20070101; TW 200700364 A 20070101; TW 200700365 A 20070101; TW 200700366 A 20070101; TW 200700367 A 20070101;
TW 200700401 A 20070101; TW 200700402 A 20070101; TW 200700403 A 20070101; TW 200938519 A 20090916; TW 200940488 A 20091001;
TW 200940489 A 20091001; TW I313261 B 20090811; TW I320036 B 20100201; TW I320037 B 20100201; TW I321129 B 20100301;
TW I322142 B 20100321; TW I323249 B 20100411; TW I332493 B 20101101; TW I332940 B 20101111; TW I332941 B 20101111;
TW I332942 B 20101111; TW I333945 B 20101201; TW I335323 B 20110101; TW I349657 B 20111001; TW I388542 B 20130311;
US 2008154050 A1 20080626; US 2008161613 A1 20080703; US 2008194847 A1 20080814; US 2008194848 A1 20080814;
US 2008194849 A1 20080814; US 2008194850 A1 20080814; US 2008194851 A1 20080814; US 2008194884 A1 20080814;
US 2008200642 A1 20080821; US 2008200701 A1 20080821; US 2008214848 A1 20080904; US 2009131631 A1 20090521;
US 7557253 B2 20090707; US 7615670 B2 20091110; US 7893193 B2 20110222; US 7906691 B2 20110315; US 7906692 B2 20110315;
US 8106245 B2 20120131; US 8173823 B2 20120508; US 8344185 B2 20130101; US 8389777 B2 20130305; WO 2006100312 A2 20060928;
WO 2006100312 A3 20061102; WO 2006100312 A9 20070518; WO 2006100313 A2 20060928; WO 2006100313 A3 20061109;
WO 2006100314 A1 20060928; WO 2006100315 A2 20060928; WO 2006100315 A3 20061116; WO 2006100316 A1 20060928;
WO 2006100317 A1 20060928; WO 2006100318 A2 20060928; WO 2006100318 A3 20070322; WO 2006100318 A9 20061116;
WO 2006100319 A1 20060928; WO 2006100320 A2 20060928; WO 2006100320 A3 20061228; WO 2006106153 A2 20061012;
WO 2006106153 A3 20061228; WO 2006106154 A1 20061012; WO 2006106155 A2 20061012; WO 2006106155 A3 20061228

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EP 2006062437 W 20060519; BR PI0610744 A 20060519; BR PI0610745 A 20060519; BR PI0610746 A 20060519; BR PI0610748 A 20060519;
BR PI0610751 A 20060519; BR PI0610789 A 20060519; BR PI0610791 A 20060519; BR PI0610799 A 20060519; CA 2608715 A 20060519;
CA 2608719 A 20060519; CA 2608720 A 20060519; CA 2608722 A 20060519; CA 2608723 A 20060519; CA 2608725 A 20060519;
CA 2608732 A 20060519; CA 2608816 A 20060519; CA 2608937 A 20060519; CA 2608946 A 20060519; CA 2608953 A 20060519;
CA 2608956 A 20060519; CA 2608961 A 20060519; CN 200680000523 A 20060519; CN 200680000534 A 20060519;
CN 200680000535 A 20060519; CN 200680000550 A 20060519; CN 200680000551 A 20060519; CN 200680000553 A 20060519;
CN 200680000605 A 20060519; CN 200680000607 A 20060519; CN 201110379336 A 20060519; CN 201210022128 A 20060519;
CN 201210022130 A 20060519; CN 201210022138 A 20060519; CN 201210164524 A 20060519; EA 200702546 A 20060519;
EA 200702548 A 20060519; EA 200702549 A 20060519; EA 200702550 A 20060519; EA 200702551 A 20060519; EA 200702552 A 20060519;
EA 200702553 A 20060519; EA 200702554 A 20060519; EA 200702555 A 20060519; EA 200702561 A 20060519; EA 200702562 A 20060519;
EA 200702564 A 20060519; EA 200702565 A 20060519; EA 201300253 A 20060519; EP 06755262 A 20060519; EP 06755263 A 20060519;
EP 06755264 A 20060519; EP 06755267 A 20060519; EP 06755268 A 20060519; EP 06755269 A 20060519; EP 06755270 A 20060519;
EP 06755271 A 20060519; EP 06755272 A 20060519; EP 06755273 A 20060519; EP 06763189 A 20060519; EP 06763198 A 20060519;
EP 06763200 A 20060519; EP 10182191 A 20060519; EP 10182309 A 20060519; EP 10182403 A 20060519; EP 2006062438 W 20060519;
EP 2006062439 W 20060519; EP 2006062442 W 20060519; EP 2006062444 W 20060519; EP 2006062445 W 20060519;
EP 2006062447 W 20060519; EP 2006062448 W 20060519; EP 2006062459 W 20060519; EP 2006062461 W 20060519;
EP 2006062462 W 20060519; EP 2006062463 W 20060519; EP 2006062466 W 20060519; JP 2008511713 A 20060519;
JP 2008511714 A 20060519; JP 2008511715 A 20060519; JP 2008511716 A 20060519; JP 2008511717 A 20060519;
JP 2008511718 A 20060519; JP 2008511720 A 20060519; JP 2008511721 A 20060519; JP 2008511725 A 20060519;
JP 2008511726 A 20060519; JP 2008511727 A 20060519; JP 2008511728 A 20060519; JP 2008511730 A 20060519;
KR 20077029628 A 20060519; KR 20077029655 A 20060519; KR 20077029658 A 20060519; KR 20077029659 A 20060519;
KR 20077029668 A 20060519; KR 20077029669 A 20060519; KR 20077029670 A 20060519; MX 2007014514 A 20060519;
MX 2007014516 A 20060519; MX 2007014523 A 20060519; MX 2007014525 A 20060519; MX 2007014527 A 20060519;
MX 2007014530 A 20060519; MX 2007014532 A 20060519; MY PI20062328 A 20060519; MY PI20062332 A 20060519;
MY PI20062334 A 20060519; MY PI20062337 A 20060519; TW 95117942 A 20060519; TW 95117946 A 20060519; TW 95117948 A 20060519;
TW 95117952 A 20060519; TW 95117955 A 20060519; TW 95117957 A 20060519; TW 95117959 A 20060519; TW 95117961 A 20060519;
TW 95117962 A 20060519; TW 95117963 A 20060519; TW 95117967 A 20060519; TW 95117968 A 20060519; TW 95117970 A 20060519;
TW 98117309 A 20060519; TW 98117310 A 20060519; TW 98117312 A 20060519; US 91483606 A 20060519; US 91485606 A 20060519;
US 91486206 A 20060519; US 91486806 A 20060519; US 91487406 A 20060519; US 91487906 A 20060519; US 91489106 A 20060519;
US 91504606 A 20060519; US 91505306 A 20060519; US 91505606 A 20060519; US 91506706 A 20060519; US 91508806 A 20060519