

## Title (en)

METHOD FOR MAKING A CHLOROHYDRIN BY CHLORINATING A POLYHYDROXYLATED ALIPHATIC HYDROCARBON

## Title (de)

VERFAHREN ZUR HERSTELLUNG EINES CHLORHYDRINS DURCH CHLORIERUNG EINES POLYHYDROXYLIERTEN ALIPHATISCHEN KOHLENWASSERSTOFFS

## Title (fr)

PROCEDE DE FABRICATION D'UNE CHLORHYDRINE PAR CHLORATION D'UN HYDROCARBURE ALIPHATIQUE POLY HYDROXYLE

## 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.%.

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MX 2007014525 A 20080205; MX 2007014527 A 20080207; MX 2007014530 A 20080205; MX 2007014532 A 20080207;  
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