

Title (en)
PRODUCTION OF BISPHENOL A WITH A REDUCED ISOMER FORMATION

Title (de)
HERSTELLUNG VON BISPHENOL A MIT VERRINGERTER ISOMERENBILDUNG

Title (fr)
PRODUCTION DE BISPHENOL A AVEC UNE FORMATION REDUITE D'ISOMERES

Publication
EP 1713752 A1 20061025 (DE)

Application
EP 05706966 A 20050122

Priority
• EP 2005000615 W 20050122
• DE 102004005724 A 20040205

Abstract (en)
[origin: US2005176918A1] A process for the production of bisphenol A is disclosed. The process entails a) mixing phenol and acetone to form a mixture, and b) bringing the mixture to a temperature of 48 to 54 ° C. to form a warm mixture, and c) commencing a reaction between phenol and acetone upon contacting the warm mixture with an acid ion exchange catalyst to form a product mixture that contains bisphenol A. The bisphenol A may be extracted from the product mixture by crystallization and filtration.

IPC 8 full level
C07C 37/20 (2006.01); **C07C 39/16** (2006.01); **C08G 64/24** (2006.01); **C08G 64/28** (2006.01); **C08G 64/30** (2006.01)

CPC (source: EP KR US)
C07C 37/20 (2013.01 - EP KR US); **C08G 64/28** (2013.01 - EP US); **C08G 64/307** (2013.01 - EP US)

C-Set (source: EP US)
C07C 37/20 + **C07C 39/16**

Citation (search report)
See references of WO 2005075396A1

Designated contracting state (EPC)
BE DE ES NL PL

DOCDB simple family (publication)
US 2005176918 A1 20050811; CN 100516011 C 20090722; CN 1918097 A 20070221; DE 102004005724 A1 20050825;
EP 1713752 A1 20061025; JP 2007520502 A 20070726; JP 4874125 B2 20120215; KR 20060130169 A 20061218; RU 2006131515 A 20080310;
RU 2402521 C2 20101027; SG 152282 A1 20090529; TW 200536876 A 20051116; WO 2005075396 A1 20050818

DOCDB simple family (application)
US 4376905 A 20050126; CN 200580003589 A 20050122; DE 102004005724 A 20040205; EP 05706966 A 20050122;
EP 2005000615 W 20050122; JP 2006551754 A 20050122; KR 20067015809 A 20060804; RU 2006131515 A 20050122;
SG 2009029158 A 20050122; TW 94103488 A 20050204