9905266-4 IPOS copy

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 301/12 — A1

(11) International Publication Number: **WO 98/50376**

(43) International Publication Date: 12 November 1998 (12.11.98)

(21) International Application Number: PCT/EP98/02421

(22) International Filing Date: 23 April 1998 (23.04.98)

(30) Priority Data:
08/850,983 5 May 1997 (05.05.97) US

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(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: EPOXIDATION PROCESS USING A PHOSPHATE-STABILIZED PEROXOTUNGSTATE COMPOUND AS CATALYST

(57) Abstract

Olefins are selectively converted to epoxides using hydrogen peroxide as oxidant in a single liquid phase reaction system characterized by a liquid phase comprised predominantly of an organic solvent. The reaction is catalyzed by a compound comprised of a phosphate-stabilized peroxotungstate species having a W:P atomic ratio of 2:1.

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