

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 September 2004 (10.09.2004)

PCT

(10) International Publication Number
WO 2004/076408 A3

(51) International Patent Classification⁷: **C07C 407/00**,
C07D 301/19

(21) International Application Number:
PCT/EP2004/050208

(22) International Filing Date: 26 February 2004 (26.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200300833-1 28 February 2003 (28.02.2003) SG

(71) Applicant (for all designated States except US): **SHELL
INTERNATIONALE RESEARCH MAATSCHAPPIJ
B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR
The Hague (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FOONG, Wan Shi**
[SG/SG]; 61 Seraya Avenue, Jurong Island, 627879 (SG).
JUNE, Raymond Lawrence [US/SG]; 61 Seraya Avenue,
Jurong Island, 627879 (SG).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
10 March 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS

(57) Abstract: Process for preparing organic hydroperoxides, which process comprises (a) oxidation of an organic compound to obtain reaction product containing organic hydroperoxide, (b) treating at least part of the organic hydroperoxide containing reac-
tion product with a basic aqueous solution and separating hydrocarbonaceous phase containing organic hydroperoxide from basic
aqueous phase, (c) washing with water at least part of the separated hydrocarbonaceous phase containing organic hydroperoxide and
separating hydrocarbonaceous phase containing organic hydroperoxide from aqueous phase, and (d) optionally repeating step (c)
one or more times, in which process solid particles are removed from the reaction product containing organic hydroperoxide and/or
basic aqueous solution before use in step (b), preferably by filtering, and a process for preparing oxirane compounds in which such
organic hydroperoxide is used.



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