

Title (en)
METHOD FOR PRODUCING HYDROGEN PEROXIDE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON WASSERSTOFFPEROXID

Title (fr)
PROCEDE DE PRODUCTION DE PEROXYDE D'HYDROGENE

Publication
EP 1274651 A1 20030115 (DE)

Application
EP 01925441 A 20010314

Priority
• DE 10017656 A 20000408
• EP 0102839 W 20010314

Abstract (en)
[origin: US2001028873A1] The invention relates to an improved process for the preparation of hydrogen peroxide by the anthraquinone process, the improvement being directed at decreasing epoxides in the oxidation stage. According to the invention, the hydrogenated working solution, comprising a 2-alkyl-tetrahydroanthrahydroquinone, is mixed with partly or, preferably, completely oxidized working solution and the mixture is oxidized with a gas comprising oxygen in an oxidation reactor. The volume ratio of hydrogenated to oxidized working solution is in the range from 5 to 1 to 1 to 5 and preferably in the range of 2 to 1 to 1 to 2.

IPC 1-7
C01B 15/023

IPC 8 full level
C01B 15/023 (2006.01)

CPC (source: EP KR US)
C01B 15/023 (2013.01 - EP KR US)

Citation (search report)
See references of WO 0177013A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2001028873 A1 20011011; AR 027779 A1 20030409; AU 5219301 A 20011023; BR 0107541 A 20030114; CA 2398330 A1 20011018; CN 1422234 A 20030604; DE 10017656 A1 20011011; EP 1274651 A1 20030115; JP 2003530288 A 20031014; KR 20030007505 A 20030123; PL 357904 A1 20040726; WO 0177013 A1 20011018; ZA 200208052 B 20031203

DOCDB simple family (application)
US 82585301 A 20010405; AR P010101659 A 20010406; AU 5219301 A 20010314; BR 0107541 A 20010314; CA 2398330 A 20010314; CN 01807604 A 20010314; DE 10017656 A 20000408; EP 0102839 W 20010314; EP 01925441 A 20010314; JP 2001575496 A 20010314; KR 20027013445 A 20021007; PL 35790401 A 20010314; ZA 200208052 A 20021007