

Title (en)

METHOD OF PRODUCING ORGANIC HYDROGEN PEROXIDE SOLUTIONS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ORGANISCHEN WASSERSTOFFPEROXIDLÖSUNGEN, SOWIE DEREN VERWENDUNG

Title (fr)

PROCEDE POUR PRODUIRE DES SOLUTIONS ORGANIQUES DE PEROXYDE D'HYDROGENE

Publication

**EP 1379464 A2 20040114 (DE)**

Application

**EP 02724286 A 20020411**

Priority

- DE 10118460 A 20010412
- EP 0204052 W 20020411

Abstract (en)

[origin: DE10118460A1] Continuous production of a solution of hydrogen peroxide in a water-miscible organic solvent comprises passing the solvent and a gas comprising hydrogen (H<sub>2</sub>), oxygen (O<sub>2</sub>) and inert gas (with an inert gas:O<sub>2</sub> volume ratio of at least 2.5:1) through a reaction zone containing a noble metal catalyst; withdrawing a H<sub>2</sub>- and O<sub>2</sub>-depleted gas stream and recycling it to the reaction zone after adding pure H<sub>2</sub> and O<sub>2</sub>; and withdrawing a liquid stream comprising the hydrogen peroxide solution.

IPC 1-7

**C01B 3/00**

IPC 8 full level

**C01B 15/029** (2006.01)

CPC (source: EP US)

**C01B 15/029** (2013.01 - EP US)

Citation (search report)

See references of WO 02083550A2

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)

**DE 10118460 A1 20021017**; AU 2002254986 A1 20021028; CA 2443203 A1 20021024; CN 1226183 C 20051109; CN 1501886 A 20040602; EP 1379464 A2 20040114; MX PA03008703 A 20031211; US 2004126312 A1 20040701; WO 02083550 A2 20021024; WO 02083550 A3 20030904; ZA 200308761 B 20061227

DOCDB simple family (application)

**DE 10118460 A 20010412**; AU 2002254986 A 20020411; CA 2443203 A 20020411; CN 02807944 A 20020411; EP 0204052 W 20020411; EP 02724286 A 20020411; MX PA03008703 A 20020411; US 47468603 A 20031014; ZA 200308761 A 20031111