

Title (en)

HYDROGEN-OXYGEN MIXER-SPARGER

Title (de)

WASSERSTOFF-SAUERSTOFF-MISCH- UND -EINLEITUNGSVORRICHTUNG

Title (fr)

MÉLANGEUR-DISTRIBUTEUR D'OXYGÈNE ET D'HYDROGÈNE

Publication

**EP 2114558 A4 20110824 (EN)**

Application

**EP 07777562 A 20070111**

Priority

US 2007060382 W 20070111

Abstract (en)

[origin: WO2008085522A1] An apparatus is disclosed for the generation of hydrogen peroxide. The apparatus provides for the production of a large scale volume of hydrogen peroxide by the generation of a liquid bearing bubble cloud. The bubbles are generated with a tiny volume before flowing over the reactor bed to generate the hydrogen peroxide.

IPC 8 full level

**B01J 19/00** (2006.01); **B01F 23/10** (2022.01); **C01B 15/029** (2006.01)

CPC (source: EP KR)

**B01F 23/10** (2022.01 - KR); **B01F 23/23121** (2022.01 - EP); **B01F 23/23125** (2022.01 - EP); **B01F 23/231261** (2022.01 - EP);  
**B01J 12/00** (2013.01 - KR); **B01J 19/0093** (2013.01 - EP); **B01J 19/249** (2013.01 - EP); **C01B 15/01** (2013.01 - KR); **C01B 15/029** (2013.01 - EP);  
**B01J 2219/00783** (2013.01 - EP); **B01J 2219/00788** (2013.01 - EP); **B01J 2219/00835** (2013.01 - EP); **B01J 2219/0086** (2013.01 - EP);  
**B01J 2219/00867** (2013.01 - EP); **B01J 2219/00873** (2013.01 - EP); **B01J 2219/00889** (2013.01 - EP); **B01J 2219/00891** (2013.01 - EP);  
**B01J 2219/2453** (2013.01 - EP); **B01J 2219/2454** (2013.01 - EP); **B01J 2219/2462** (2013.01 - EP); **B01J 2219/247** (2013.01 - EP);  
**B01J 2219/2474** (2013.01 - EP); **B01J 2219/2481** (2013.01 - EP); **B01J 2219/2497** (2013.01 - EP); **B01J 2219/2498** (2013.01 - EP)

Citation (search report)

- [X] WO 0220149 A2 20020314 - VODAFONE AG [DE], et al
- [I] EP 1123734 A2 20010816 - CELLULAR PROCESS CHEMISTRY INC [US]
- [A] WO 2006039568 A1 20060413 - VELOCYS INC [US], et al
- See references of WO 2008085522A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2008085522 A1 20080717**; CN 101678299 A 20100324; EP 2114558 A1 20091111; EP 2114558 A4 20110824; JP 2010515653 A 20100513;  
KR 20100014773 A 20100211; NO 20092803 L 20091006

DOCDB simple family (application)

**US 2007060382 W 20070111**; CN 200780052095 A 20070111; EP 07777562 A 20070111; JP 2009545541 A 20070111;  
KR 20097016759 A 20070111; NO 20092803 A 20090804